

PONY

Maths

BOOK 3

Part 1



This book belongs to

.....

.....

By : Mohamed Nasreldin

Introduction

In this book:

We will combine the explanation of some lessons and rearrange them according to the unity of the topic to make it easier for the child to understand them in a better way. And link between the ideas presented in these lessons and facilitate the acquisition of skills.

Therefore, the lessons were combined and divided into 4 chapters:

The first chapter: includes methods for collecting and classifying data.

The second chapter: includes numbers and operations on them.

The third chapter: includes multiplication and its properties.

The forth chapter: includes engineering and measurement

في هذا الكتاب:

سنجمع بين شرح بعض الدروس ونعيد ترتيبها حسب وحدة الموضوع ليسهل على الطفل فهمها بشكل أفضل. وربط الأفكار المعروضة في هذه الدروس وتسهيل اكتساب المهارات.

لذلك جمعت الدروس وقسمت إلى 4 فصول:

الفصل الأول: ويتضمن طرق جمع البيانات وتصنيفها.

الفصل الثاني: يتضمن الأعداد والعمليات عليها.

الفصل الثالث: يتضمن الضرب وخصائصه.

الفصل الرابع: يتضمن الهندسة والقياس



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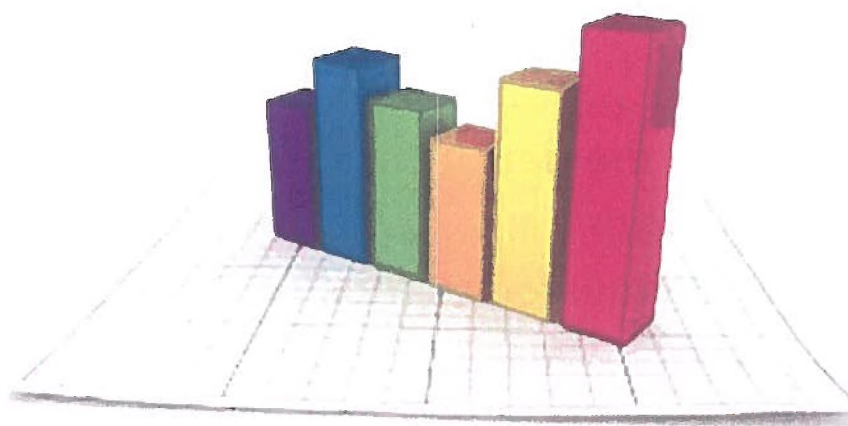
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CHAPTER

ONE



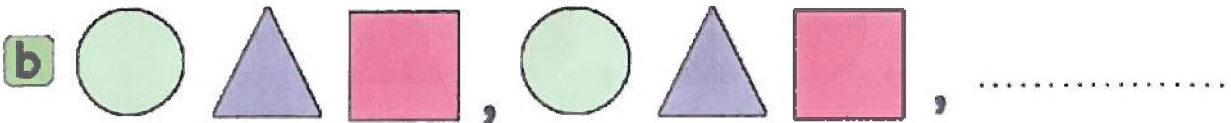
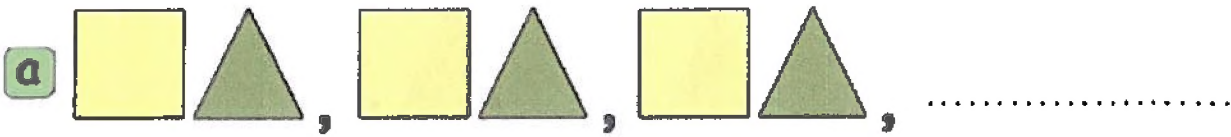
STATISTICS

LESSON

1

The Visual Patterns

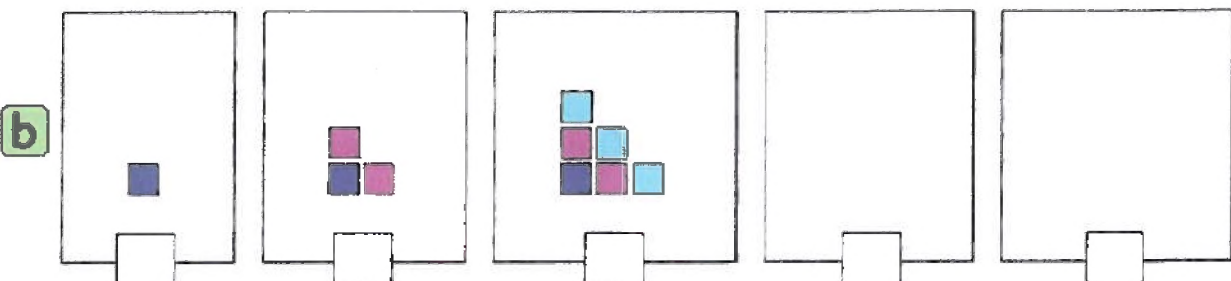
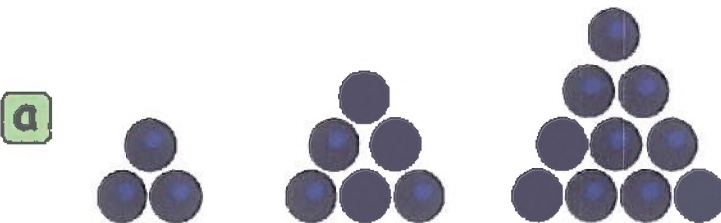
1 Complete the pattern :



c AB , ABB , AB BB , AB BBB ,





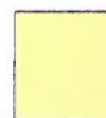

d 10 , 20 , 30 , 40 , 50 , ,







2 Look at the image , then figure out the next two images in the pattern :

















1 Complete the pattern :

a   ,   ,   ,

b   ,   ,   ,

c    ,    ,

d   ,   ,   ,

e   ,   ,   ,

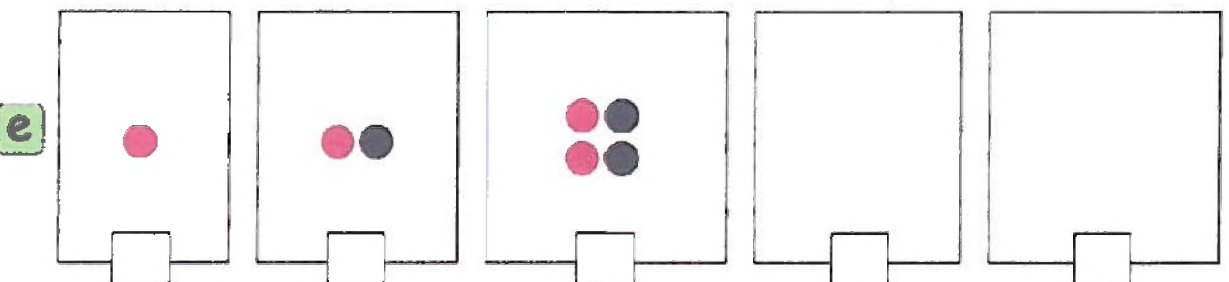
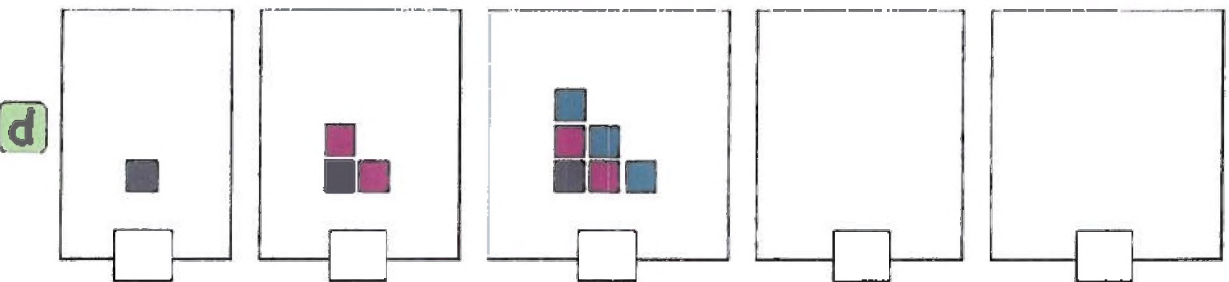
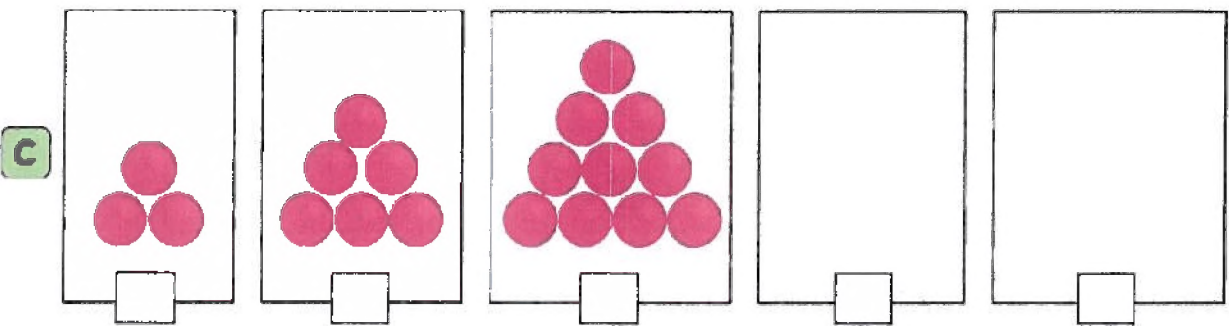
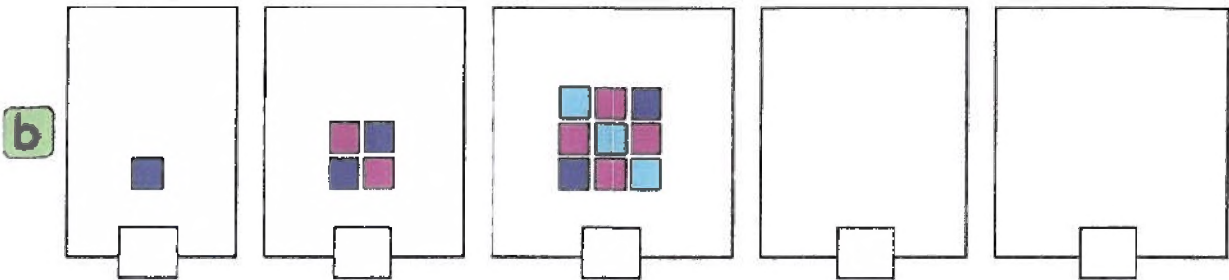
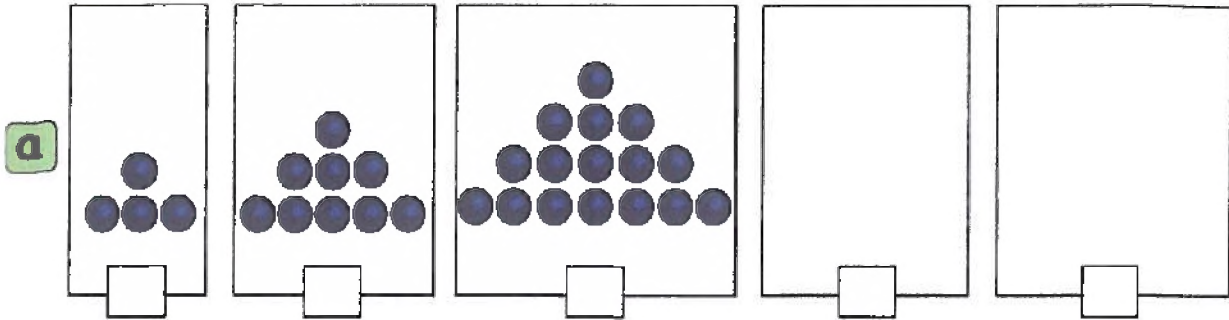
f AB , AABB , AAABBB ,

g UU   , UU    , UU    ,

h 50 , 60 , 70 , 80 , ,

i 60 , 50 , 40 , 30 , ,

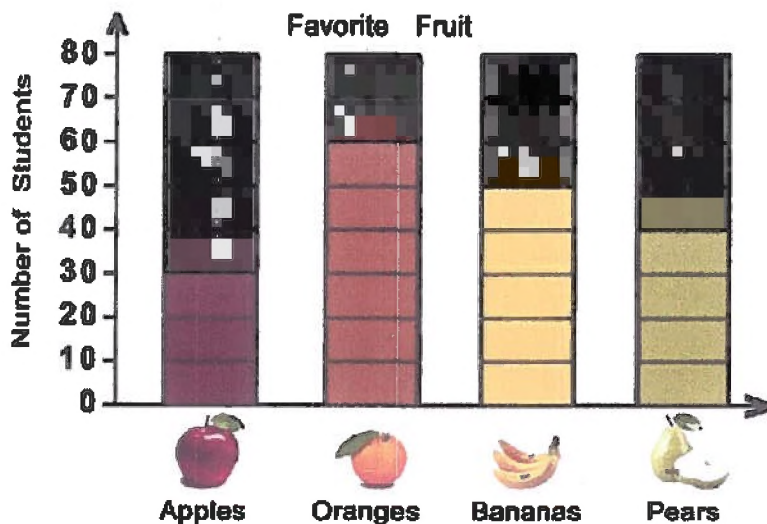
2 Look at the image , then figure out the next two images in the pattern :







LESSON 2

The bar graph & The pictograph

1 Look at the favorite fruit graph and then answer :



































a Complete the following table :

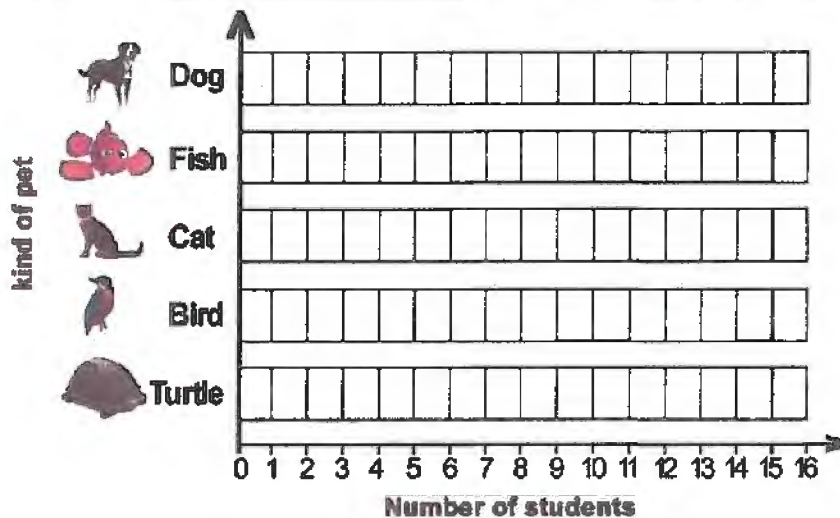
Favorite Fruit		Number of Students
Apples		
Oranges		
Bananas		
Pears		

- b** How many people like oranges ?
- c** How many people like apples and bananas ?
- d** How many people were asked about their favorite fruit ?
- e** What is the least popular fruit on this graph ?

2 Convert the same data from pictograph into a bar graph then complet the table

Dog		    
Fish		   
Cat		       
Bird		    
Turtle		  

key	
	2 students
	1 student








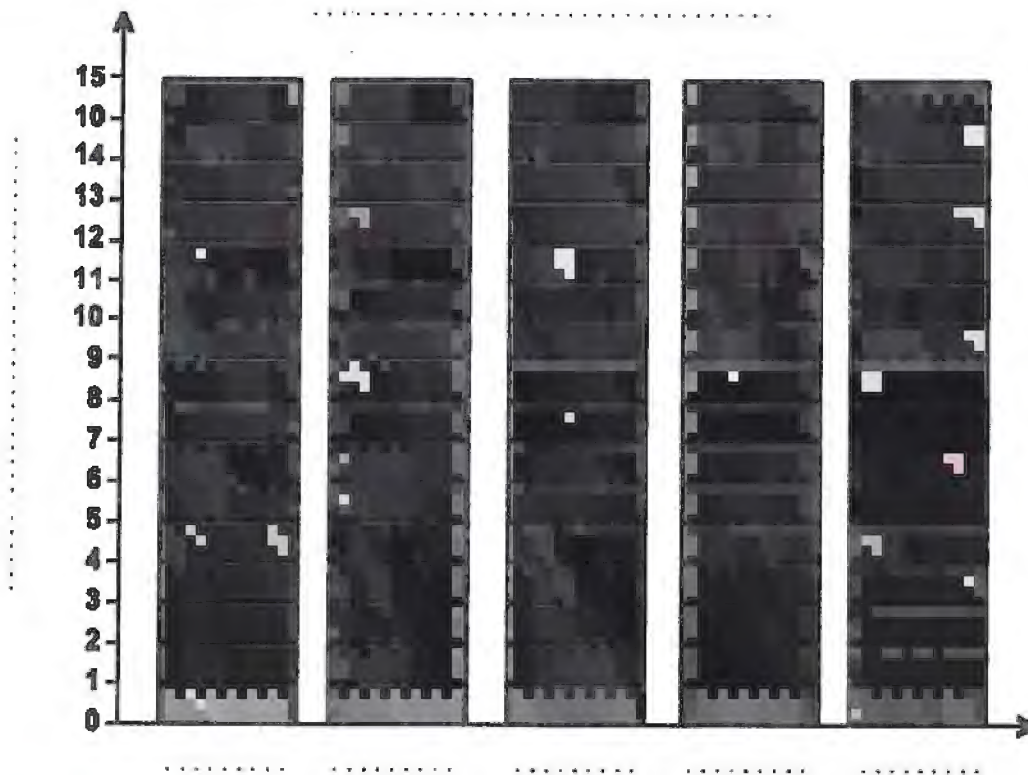
kind of pet	Number of students
Dog	
Fish	
Cat	
Bird	
Turtle	

Answer the questions:

- How many students liked Fish ?
- How many students liked Bird ?
- How many more students liked Cat than Bird ?
- How many more students liked Bird than Turtle ?
- How many students all together liked Dog , Fish and Cat ?
.....
- How many students all together liked Cat , Bird and Turtle ?
.....
- Which **pets** is liked the most ?
- Which **pets** is liked the least ?

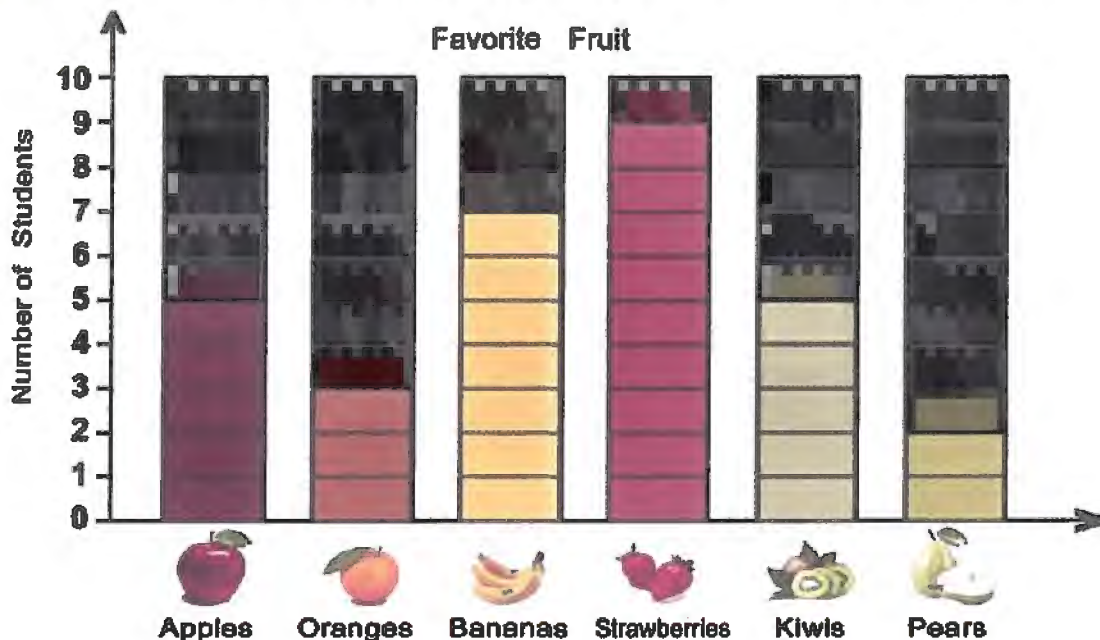
3 Use the following table to complete the bar graph

Favorite Desserts	Tallies	Number of Children
Basbousa	||||	
Kunafa	|||||	
Sweet Potatoes	|||	
Sweet Feteer	|||||	
Om Ali	|||||	









- How many children like Kunafa ?
- How many children like Om Ali and Basbousa ?
.....
- Which dessert is liked most ?
- Which dessert is liked least ?

1 Look at the favorite fruit graph and then answer :



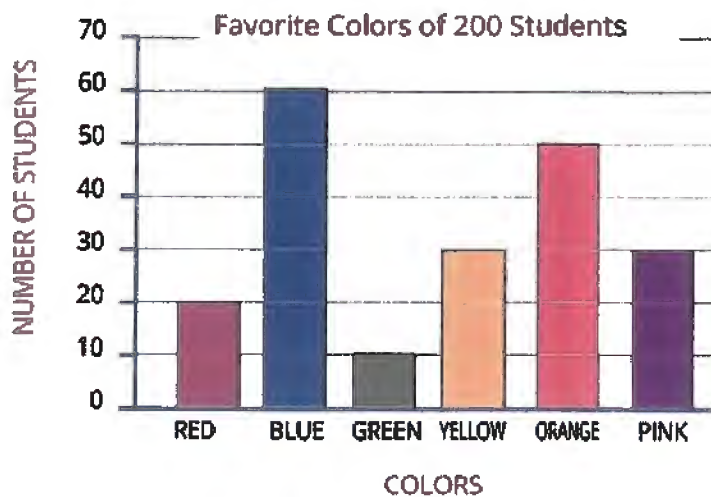
a Complete the following table :

Favorite Fruit						
	Apples	Oranges	Bananas	Strawberries	Kiwis	Pears
Number of Students						

b Answer the questions:

- How many students liked oranges ?
- How many more students liked strawberries than pears ?
- How many students all together liked kiwis , apples and oranges ?
.....
- Which fruit is liked the most ?
- Which fruit is liked the least ?

2 Look at the Favorite Colors graph and then answer questions about the data.

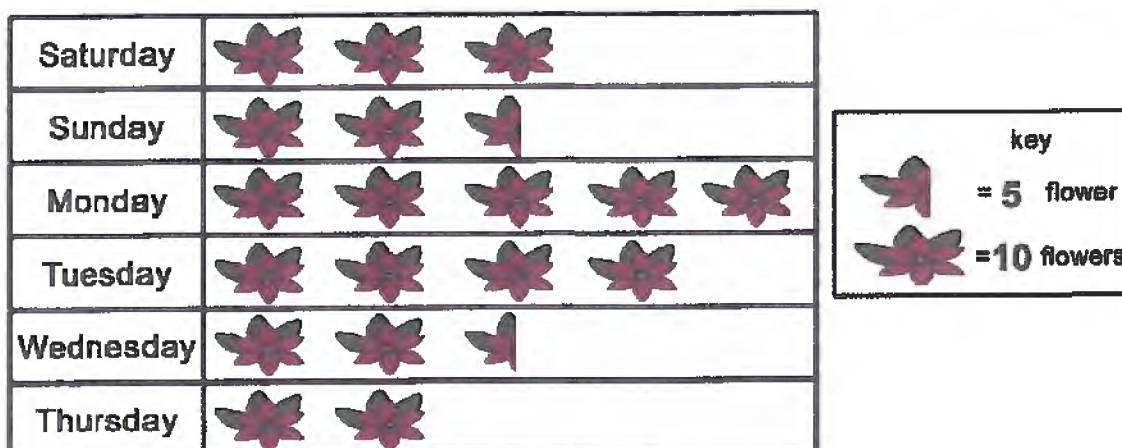


Colors	Number of students
RED	
BLUE	
GREEN	
YELLOW	
ORANGE	
PINK	

Answer the questions:

- a** How many people liked red best?
- b** How many people liked blue best?
- c** How many people liked green best?
- d** How many people liked yellow best?
- e** How many people liked orange best?
- f** How many people liked pink best?
- g** How many people liked pink and blue (pink + blue)?
.....
- h** How many more people liked yellow than green (yellow - green)?
.....
- i** How many people liked red and blue (red + blue)?
.....
- j** How many more people liked blue than orange (blue - orange)?
.....

3 Look at the Pick a Flower pictograph and then answer :








Complete the following table :

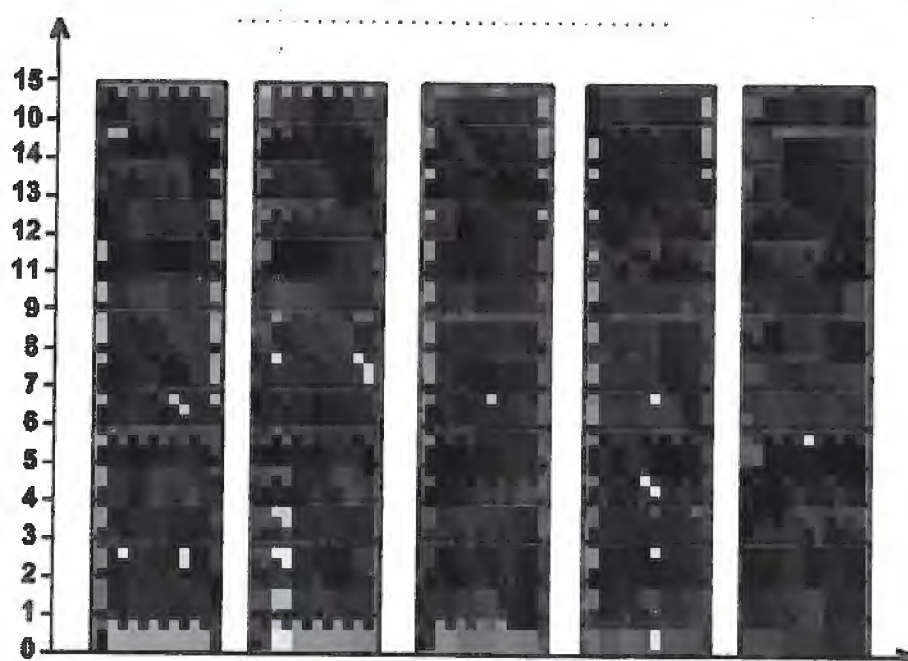
The day	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday
Number of flowers						

Answer the questions:

- a** How many flowers were picked on Monday ?
- b** How many flowers were picked on Tuesday ?
- c** How many more flowers were picked on Saturday than Sunday ?
.....
- d** How many more flowers were picked on Monday than Tuesday?
.....
- e** How many flowers were picked on Wednesday and Monday ?
.....
- f** How many flowers were picked on Thursday and Sunday ?
.....
- g** Which day had the most number of flowers picked ?
- h** Which day had the least number of flowers picked ?

6 Use the following table to complete the bar graph

Favorite Desserts		Tallies	Number of Children
Basbousa		|||| |	
Kunafa		|||| ||||	
Sweet Potatoes		|||| |	
Sweet Feteer		|||| |||| ||	
Om Ali		|||| |||| ||||	



Use the bar graph : complete using $<$, $=$ or $>$:

- a** Number of children that like Basbousa Number of children that like Kunafa
- b** Number of children that like Potatoes Number of children that like Om Ali
- c** Number of children that like Feteer Number of children that like Basbousa



First Choose the correct answer

- a** The place-value of the digit 7 in the number 573 is
(ones or tens or hundreds)
- b** Two hundreds and two = (212 or 220 or 202)
- c** $5 + 0 + 7 =$ (507 or 57 or 12)
- d** 50 tens = hundreds (5 or 55 or 500)
- e** 6 ones + 7 hundreds + 9 tens =
(679 or 976 or 96)

Second Complete the following

- a** 5 ones + 7 tens =
- b** The smallest 2-digit - number is
- c** The value of the digit 5 in the number 58 is
- d** The greatest number forme from the digits 5 and 8 is
- e** 20 , 25 , 30 , 35 , , ,

Third Answer the following

- a** Find the result :

(1) $25 + 33 =$ (2) $48 - 38 =$
(3) $85 + 11 =$ (4) $69 - 32 =$

- b** Arrange the following numbers in an ascending order .

75 , 58 , 92 , 37 , 85

..... , , , ,

- c** Mona has LE 38 and Nada has LE 51 .

How much money do they have altogether ?

They have = + = LE

LESSON

3

The Line Plot graph

Example

The following numbers are the result from a test taken by a class of 24 students:

16 , 14 , 17 , 11 , 14 , 19 , 11 , 17
12 , 21 , 22 , 18 , 11 , 16 , 15 , 14
18 , 12 , 13 , 16 , 17 , 15 , 13 , 17

Make a line plot out of These data :

Step 1: We determin the largest and lowest:

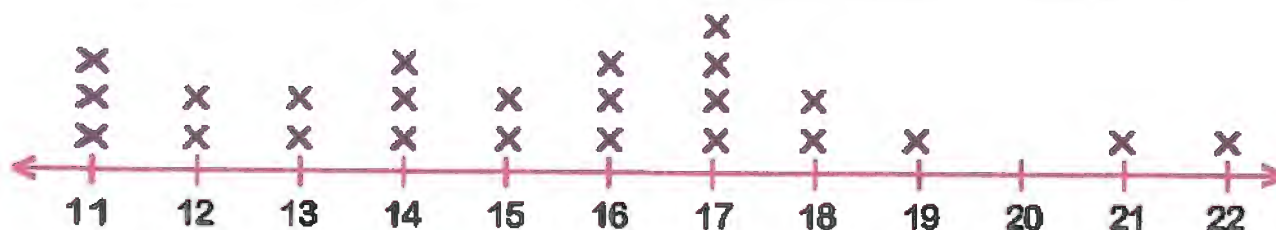
The lowest value : 11

The largest value : 22

Step 2: We determine how often each value is repeated

Marks	11	12	13	14	15	16	17	18	19	20	21	22
Frequency	3	2	2	3	2	3	4	2	1	0	1	1

Step 3: We put the numbers on the number line and put a mark (X) above each value according to their frequency



Title

Number of students

X = 1 student

Key

1 Create a line plot using apples in the basket data :
Be sure to give your line plot a title and a key.



a The lowest value : The largest value :

b The number of times each number is repeated

Number of apples	.....	.....	.....	.....	.....	.....	.....	.....
Frequency	.....	.....	.....	.....	.....	.....	.....	.....

c The line plot :



.....

x =

- 2** The following data shows the weights of **20** children. (in Kilograms) . Creat a line plot using these data.

68 , 65 , 63 , 63 , 62 , 64 , 65 , 61 , 65 , 61
64 , 61 , 64 , 66 , 64 , 62 , 61 , 62 , 68 , 65

- a** The lowest value :

The largest value :

- b** The number of times each number is repeated

The weight	.....	.....	.....	.....	.....	.....	.....	.....
Frequency	.....	.....	.....	.....	.....	.....	.....	.....

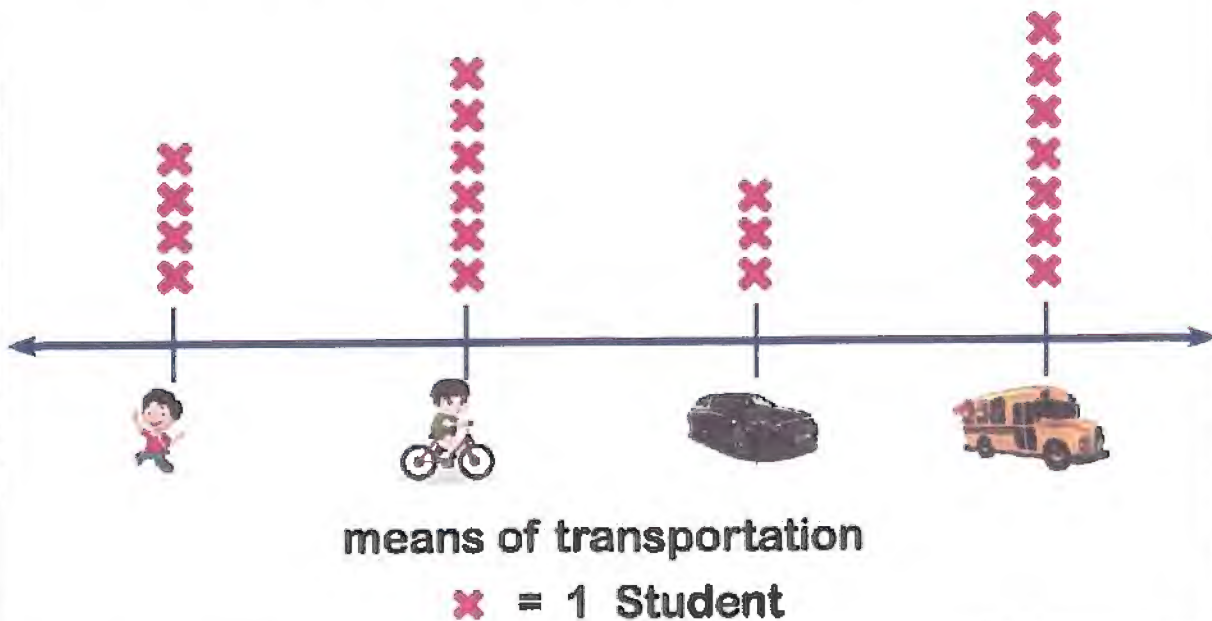
- c** The line plot :



.....

x =

3 The following line plot represents the methods used by 20 students to reach school



Answer the following :

- How many students go to school by **bus**?
- How many students go to school by **car**?
- How many students go to school by **bicycle** ?
- How many students go to school on **foot**?
- What is the **most** popular means of transportation for students?
- How many **more** students go by **bus** to school than a **bicycle** ?



1 The following numbers are the result from a test taken by a class of 24 students:

18 , 12 , 13 , 16 , 17 , 17 , 13 , 17
 16 , 14 , 11 , 18 , 14 , 19 , 11 , 17
 21 , 21 , 22 , 18 , 11 , 16 , 15 , 14

Make a line plot out of These data :

a The lowest value :

The largest value :

b The number of times each number is repeated

Marks												
Frequency												

c The line plot :



.....

x =

- 2** Create a line plot using eggs in the basket data :
Be sure to give your line plot a title and a key.



a The lowest value : The largest value :

b The number of times each number is repeated

Number of eggs	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frequency	.....	.....	.....	.....	.....	.....	.....	.....	.....

c The line plot :



.....

x =

- 3** The following data shows the weights of **20** children. (in Kilograms) . Creat a line plot using these data.

55 , 50 , 54 , 54 , 51 , 55 , 52 , 53 , 57 , 58
58 , 58 , 58 , 54 , 53 , 57 , 51 , 50 , 50 , 52

- a** The lowest value :

The largest value :

- b** The number of times each number is repeated



- c** The line plot :



.....

x =

4 The following data shows the number of students in each of the school's 20 classes, Creat a line plot using these data :

45 , 40 , 46 , 45 , 39 , 40 , 41 , 43 , 45 , 38
44 , 45 , 39 , 43 , 40 , 43 , 38 , 41 , 44 , 39

a The lowest value :.....

The largest value :.....

b The number of times each number is repeated

The number of students	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frequency	.....	.....	.....	.....	.....	.....	.....	.....	.....

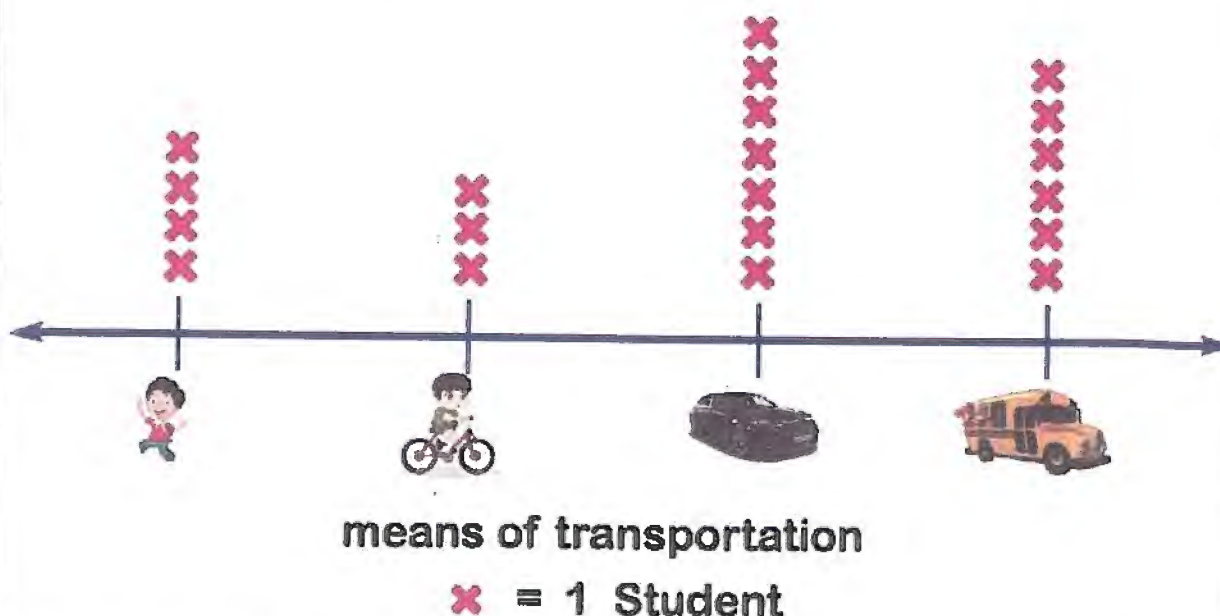
c The line plot :



.....

x =

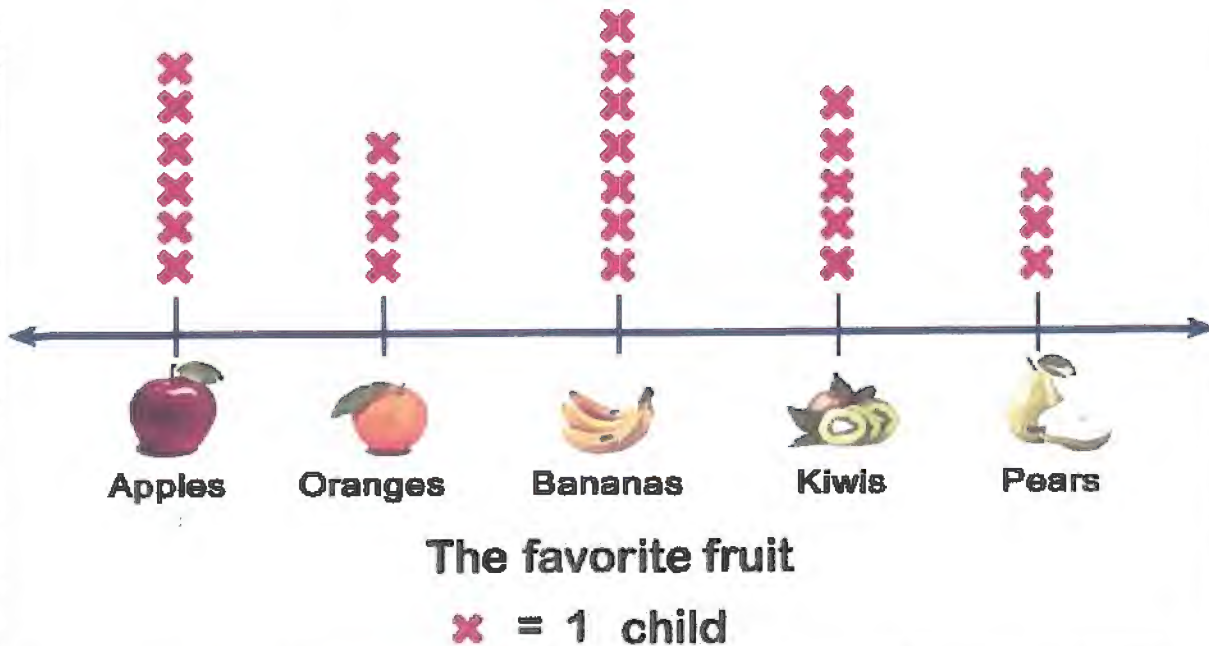
- 5** The following line plot represents the methods used by 20 students to reach school



Answer the following :

- How many students go to school by **bus**?
- How many students go to school by **car**?
- How many students go to school by **bicycle** ?
- How many students go to school on **foot**?
- What is the **most** popular means of transportation for students?
- How many **more** students go by **car** to school than a **bus** ?

6 The following line plot shows the favorite fruit types for 25 children :



Complete the following table :

Favorite Fruit					
	Apples	Oranges	Bananas	Kiwis	Pears
Number of children					

Answer the questions:

- How many children liked oranges ?
- How many more children liked apples than pears ?
.....
- How many children all together liked kiwis , apples and oranges ?
.....
- Which fruit is liked the most ?
- Which fruit is liked the least ?



First Choose the correct answer

- a The smallest number formed from 5 , 0 and 3 =
(503 or 305 or 350)
- b $7 + 20 + 800 = \dots\dots\dots$ (728 or 278 or 827)
- c One hundred and ten = (110 or 101 or 111)
- d The number 580 comes right after (581 or 579 or 570)
- e The place value of the digit 3 in the number 534 =
(hundreds or ones or tens)

Second Complete the following

- a The largest 3-digit - number is
- b The value of the digit 0 in the number 209 is
- c 105 , 100 , 95 , 90 , , ,
- d $500 = \dots\dots\dots$ tens
- e The number that comes right before 600 is

Third Answer the following

- a Find the result :

$$585 + 315 = \dots\dots\dots \quad 800 - 86 = \dots\dots\dots$$

$$97 + 13 = \dots\dots\dots \quad 58 - 18 = \dots\dots\dots$$

- b Arrange the following numbers in an ascending order .

405 , 504 , 450 , 540 , 500

..... , , , ,

- c Shimaa had LE 750 , she bought a T-shirt for LE 185 .
Find the remaining money with her ?
The remainder = - = LE

CHAPTER

TWO



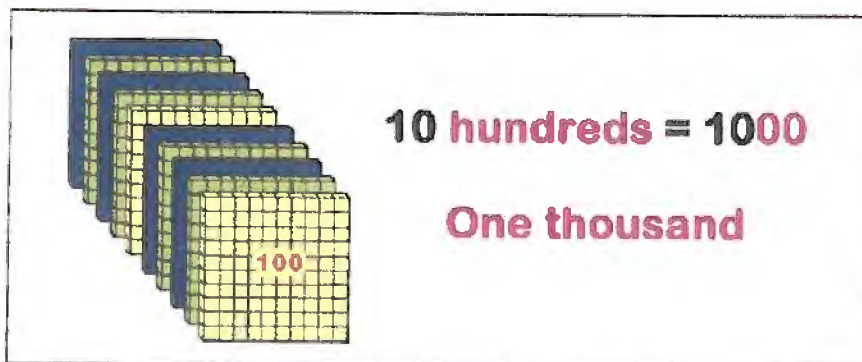
NUMBER

UP TO 999 999

LESSON

1

4-digit numbers (**Thousands**)



Thousands	Hundreds	Tens	Ones



STANDARD FORM

4 538

WORD FORM

Four thousand , five hundred and thirty eight.

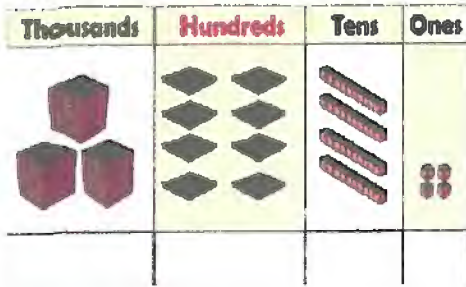
SHORT WORD FORM

4 thousand , 538

EXPANDED FORM

4000 + 500 + 30 + 8
4 thousands + 5 hundreds + 3 tens + 8 ones

Write the number shown on the figure:



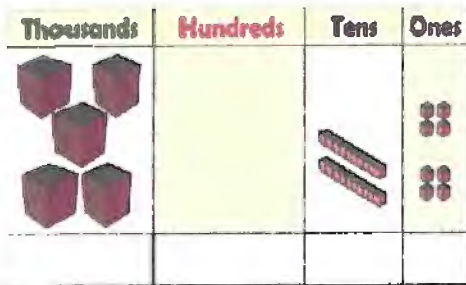
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



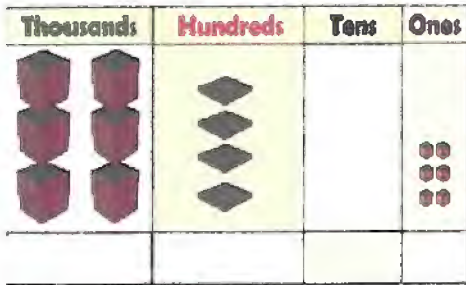
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



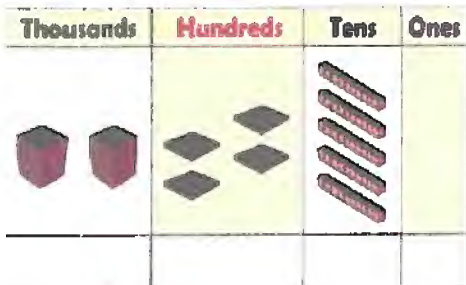
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

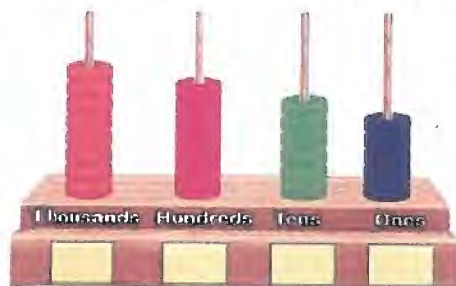
WORD FORM

SHORT WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones

Write the number shown on the figure:



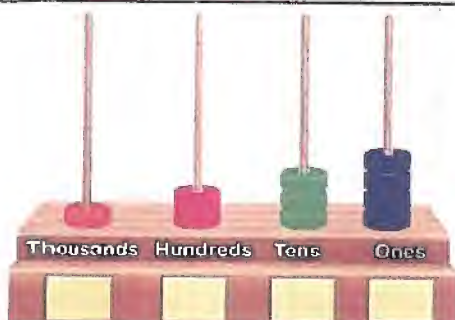
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



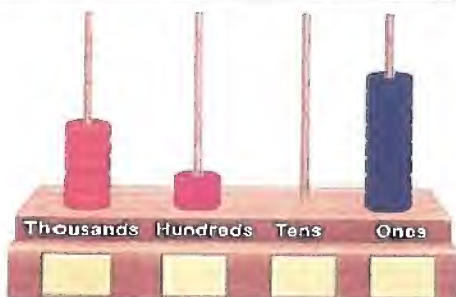
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Complete the following table :

STANDARD FORM	WORD FORM	SHORT WORD FORM	EXPANDED FORM
6 354	..... ..... .....	..... ..... .....	..... + ..... + ..... ..... Thousands + hundreds + tens + ones
.....	Nine thousand , five hundred and seventy four	..... ..... .....	..... + ..... + ..... ..... Thousands + hundreds + tens + ones
..... ..... .....	..... ..... .....	8 thousand , 502	..... + ..... + ..... ..... Thousands + hundreds + tens + ones
..... ..... .....	..... ..... .....	..... ..... .....	$700 + 300 + 20 + 8$ Thousands + hundreds + tens + ones
.....	Six thousand , and twenty	..... ..... .....	..... + ..... + ..... ..... Thousands + hundreds + tens + ones
3 008	..... ..... .....	..... ..... .....	..... + ..... + ..... ..... Thousands + hundreds + tens + ones



Write the number shown on the figure:

Thousands	Hundreds	Tens	Ones

STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands	Hundreds	Tens	Ones

STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands	Hundreds	Tens	Ones

STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands	Hundreds	Tens	Ones

STANDARD FORM

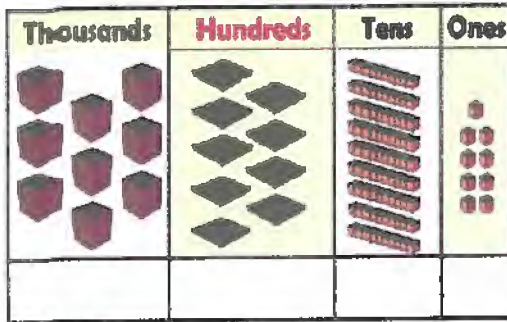
WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Write the number shown on the figure:



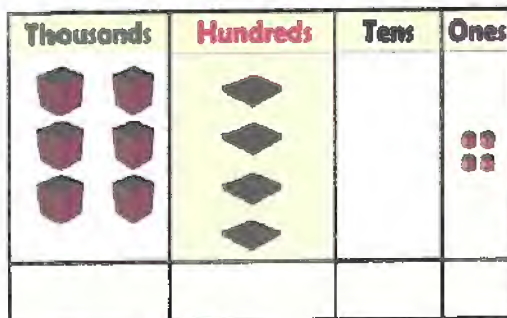
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



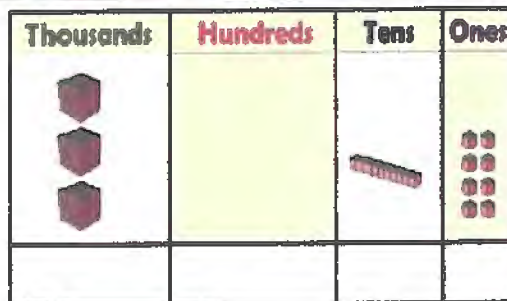
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



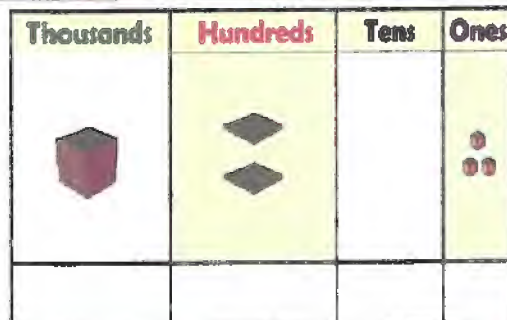
STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



STANDARD FORM

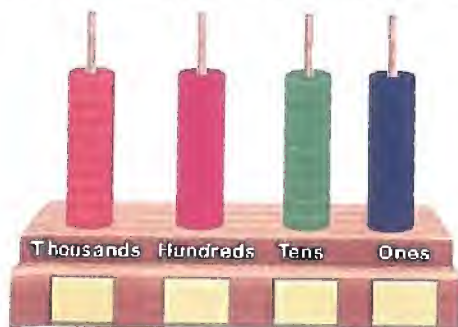
WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Write the number shown on the Abacus :



STANDARD FORM

.....

WORD FORM

.....
.....
.....

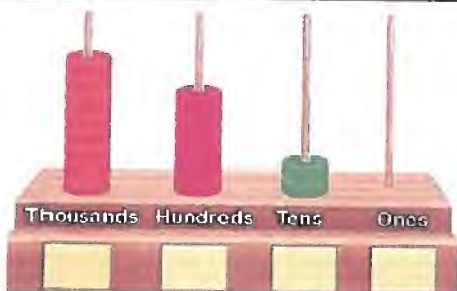
SHORT WORD FORM

.....
.....

EXPANDED FORM

..... + + +

..... thousands + hundreds + tens + ones



STANDARD FORM

.....

WORD FORM

.....
.....
.....

SHORT WORD FORM

.....
.....

EXPANDED FORM

..... + + +

..... thousands + hundreds + tens + ones



STANDARD FORM

.....

WORD FORM

.....
.....
.....

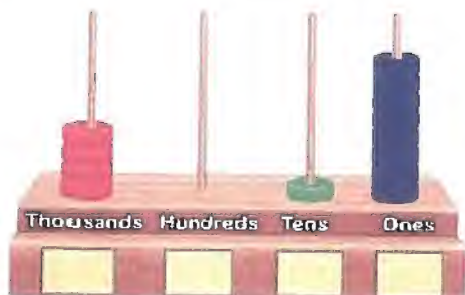
SHORT WORD FORM

.....
.....

EXPANDED FORM

..... + + +

..... thousands + hundreds + tens + ones



STANDARD FORM

.....

WORD FORM

.....
.....
.....

SHORT WORD FORM

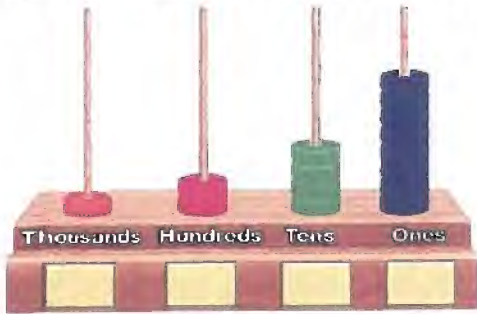
.....
.....

EXPANDED FORM

..... + + +

..... thousands + hundreds + tens + ones

Write the number shown on the Abacus :



STANDARD FORM

.....

WORD FORM

.....
.....
.....

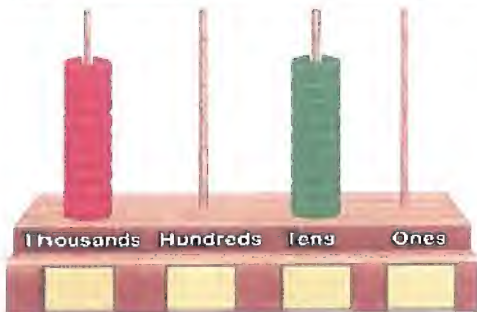
SHORT WORD FORM

.....
.....

EXPANDED FORM

..... + + +

..... thousands + hundreds + tens + ones



STANDARD FORM

.....

WORD FORM

.....
.....
.....

SHORT WORD FORM

.....
.....

EXPANDED FORM

..... + + +

..... thousands + hundreds + tens + ones



STANDARD FORM

.....

WORD FORM

.....
.....
.....

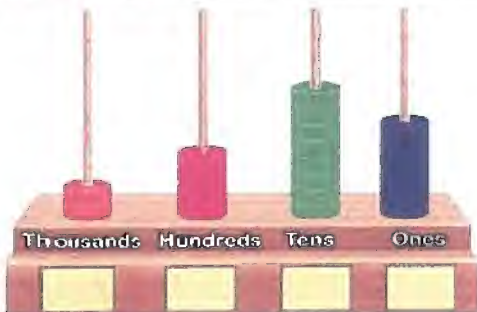
SHORT WORD FORM

.....
.....

EXPANDED FORM

..... + + +

..... thousands + hundreds + tens + ones



STANDARD FORM

.....

WORD FORM

.....
.....
.....

SHORT WORD FORM

.....
.....

EXPANDED FORM

..... + + +

..... thousands + hundreds + tens + ones

Complete the following table :

STANDARD FORM	WORD FORM	SHORT WORD FORM	EXPANDED FORM
8 365	..... ..... .....	..... ..... .....	..... + ..... + ..... Thousands + hundreds + tens + ones
.....	Nine thousand , five hundred and sixteen	..... ..... .....	..... + ..... + ..... + ..... Thousands + hundreds + tens + ones
..... ..... .....	..... ..... .....	9 thousand , 73	..... + ..... + ..... + ..... Thousands + hundreds + tens + ones
..... ..... .....	..... ..... .....	..... ..... .....	3000 + 500 + 30 + 2 Thousands + hundreds + tens + ones
.....	Two thousand and Five hundred	..... ..... .....	..... + ..... + ..... + ..... Thousands + hundreds + tens + ones
3 285	..... ..... .....	..... ..... .....	..... + ..... + ..... + ..... Thousands + hundreds + tens + ones

Complete the following table :

STANDARD FORM	WORD FORM	SHORT WORD FORM	EXPANDED FORM
.....	$7000 + 0 + 0 + 5$ Thousands + hundreds + tens + ones
.....	9 thousand , 127	..... + ..... + ..... + ..... .... Thousands + hundreds + tens + ones
.....	Nine thousand one hundred and seven	.....	..... + ..... + ..... + ..... .... Thousands + hundreds + tens + ones
6 327 + + + Thousands + hundreds + tens + ones
.....	$9000 + 500 + 40 + 8$ Thousands + hundreds + tens + ones
.....	4 thousand , 16	..... + ..... + ..... + ..... .... Thousands + hundreds + tens + ones

Sheet 1

First Choose the correct answer

- a** Six thousand , 12 (in digits) = (6 012 or 6 003 or 6 120)
b Five thousand and fifty one = (5 510 or 5 501 or 5 051)
c $3 + 0 + 0 + 5 =$ (3 005 or 8 or 35)
d 10 hundreds = thosand (1 or 10 or 1000)
e $9000 + 50 + 100 + 6 =$ (9 516 or 9 156 or 9 165)

Second Complete the following

- a** Nine thousand and fifty two (in digits) =
b 7 012 (in words) is
c $5 + 70 + 800 + 3\ 000 =$
d 3 thousands = hundreds
e 8 thousand , 45 (in digits) =

Third Answer the following

a Match :

Five thousand and sixteen

9 thousand , 40

4 thousand , 527

Nine thousand , seven
hundred and twenty one




$4000 + 500 + 20 + 7$

$5\ 000 + 0 + 10 + 6$

9 thousand , 721

Nine thousand
and forty

b Complete :

Thousands	Hundreds	Tens	Ones
			

STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

LESSON 2

5-digit numbers
(**Ten-thousands**)

T	n-thousands	One-thousands thousands	Hundreds	Tens	Ones
	5	8	4	2	6

STANDARD
FORM

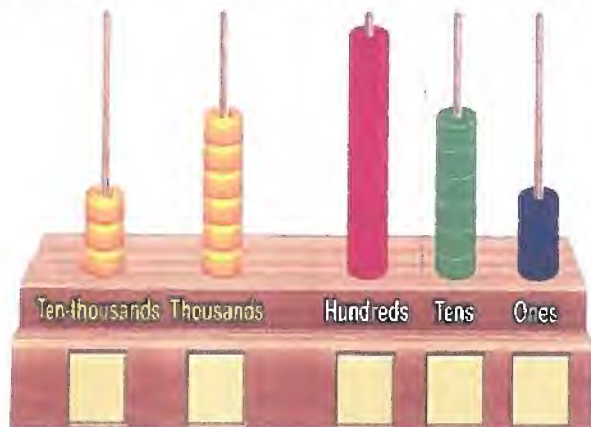
58 426

WORD
FORMFifty eight **thousand** , four hundred
and twenty sixSHORT WORD
FORM58 **thousand** , 426EXPANDED
FORM $50\ 000 + 8\ 000 + 400 + 20 + 6$ 58 **thousands** + 4 **hundreds** + 2 **tens** + 6 **ones**

Remarks

10 thousands = **10** 000**10** thousands = **100** hundreds**10** thousands = **1000** tens**20** 000 = **20** thousands = **200** hundreds = **2000** tens**2** 000 = **2** thousands = **20** hundreds = **200** tens

Write the number shown on the Abacus :



STANDARD FORM

SHORT WORD FORM

WORD FORM

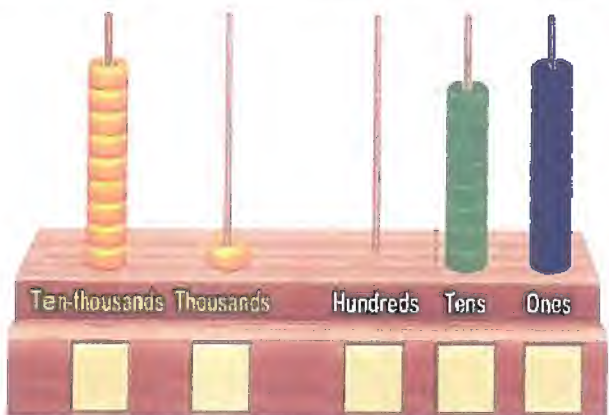
EXPANDED FORM

thousands +

hundreds +

tens +

ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

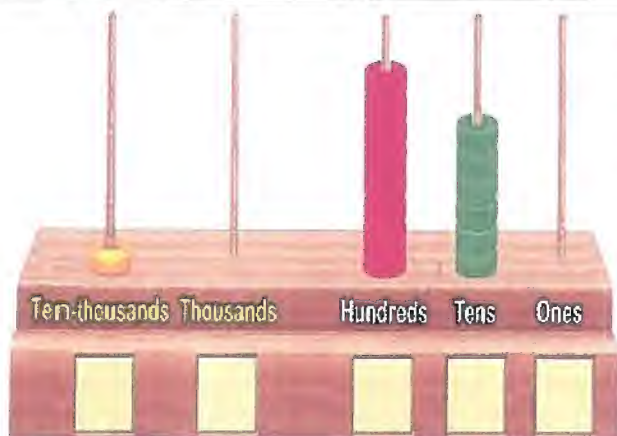
EXPANDED FORM

thousands +

hundreds +

tens +

ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands +

hundreds +

tens +

ones

Complete the following :

STANDARD FORM	70 357	SHORT WORD FORM	
		WORD FORM	
EXPANDED FORM	$\dots + \dots + \dots + \dots$ Thousands + hundreds + tens + ones		

STANDARD FORM		SHORT WORD FORM	48 thousand , 307
		WORD FORM	
EXPANDED FORM	$\dots + \dots + \dots + \dots$ Thousands + hundreds + tens + ones		

STANDARD FORM		SHORT WORD FORM	
		WORD FORM	Twenty eight thousand , nine hundred and fifty one.
EXPANDED FORM	$\dots + \dots + \dots + \dots$ Thousands + hundreds + tens + ones		

STANDARD FORM		SHORT WORD FORM	
		WORD FORM	
EXPANDED FORM	$90\ 000 + 1\ 000 + 700 + 30 + 2$ Thousands + hundreds + tens + ones		

Write the following numbers in standard form:

- a) Fifty six thousand , two hundred forty five :
- b) 29 thousands + 2 hundreds + 9 tens + 2 ones =
- c) 18 thousands , 736 =
- d) 50 000 + 4 000 + 20 + 5 =

Write the following numbers in word form:

- a) 26 128 :
.....
- b) 50 thousand + 2 hundreds + 3 ones :
.....
- c) 16 thousand , 203 :
.....
- d) 20 000 + 20 :
.....

Write the following numbers in short word form:

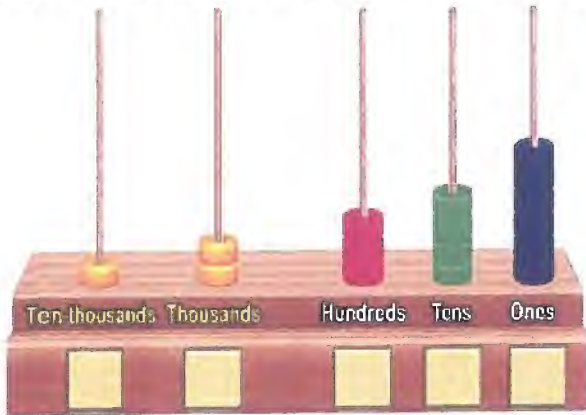
- a) Nineteen thousand and fifteen :
- b) 12 thousands + 3 tens :
- c) 75 207 :
- d) 80 000 + 500 + 90 + 1 =

Write the following numbers in expanded form:

- a) 25 128 = + + +
.....
- b) 75 193 = thousands + hundreds + tens + ones
- c) Seventy five thousand , nine hundred sixty four
= + + +
.....
- d) 25 thousand , 15 = + + +
.....



Write the number shown on the Abacus :



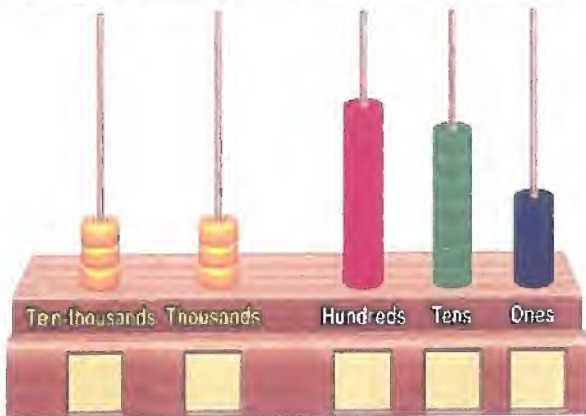
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones



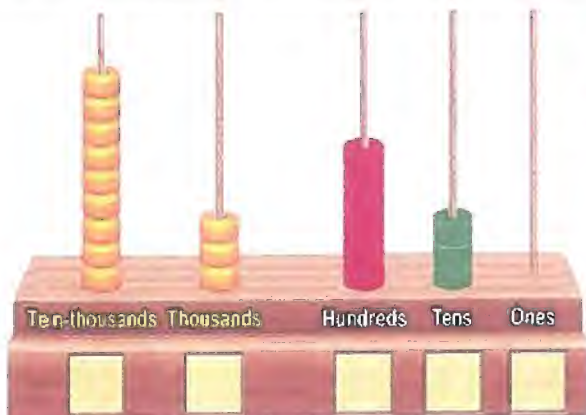
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + +
 thousands + hundreds + tens + ones

Write the number shown on the Abacus :



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones



STANDARD FORM

WORD FORM

SHORT WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Complete the following table :

STANDARD FORM	87 635	SHORT WORD FORM	
		WORD FORM	
EXPANDED FORM	$\dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$ $\dots\dots\dots$ Thousands + $\dots\dots\dots$ hundreds + $\dots\dots\dots$ tens + $\dots\dots\dots$ ones		

STANDARD FORM	52 038	SHORT WORD FORM	
		WORD FORM	
EXPANDED FORM	$\dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$ $\dots\dots\dots$ Thousands + $\dots\dots\dots$ hundreds + $\dots\dots\dots$ tens + $\dots\dots\dots$ ones		

STANDARD FORM		SHORT WORD FORM	68 thousand , 200
		WORD FORM	
EXPANDED FORM	$\dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$ $\dots\dots\dots$ Thousands + $\dots\dots\dots$ hundreds + $\dots\dots\dots$ tens + $\dots\dots\dots$ ones		

STANDARD FORM		SHORT WORD FORM	15 thousand , 150
		WORD FORM	
EXPANDED FORM	$\dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$ $\dots\dots\dots$ Thousands + $\dots\dots\dots$ hundreds + $\dots\dots\dots$ tens + $\dots\dots\dots$ ones		

Complete the following:

**STANDARD
FORM**

**SHORT WORD
FORM**

**WORD
FORM**

**Twenty thousand,
two hundred and two**

**EXPANDED
FORM**

..... + + +
..... Thousands + hundreds + tens + ones

**STANDARD
FORM**

**SHORT WORD
FORM**

**WORD
FORM**

**fifty eighty thousand,
one hundred and thirty two**

**EXPANDED
FORM**

..... + + +
..... Thousands + hundreds + tens + ones

**STANDARD
FORM**

**SHORT WORD
FORM**

**WORD
FORM**

**EXPANDED
FORM**

70 000 + 3 000 + 500 + 60 + 7

..... Thousands + hundreds + tens + ones

**STANDARD
FORM**

**SHORT WORD
FORM**

**WORD
FORM**

**EXPANDED
FORM**

..... + + +
98 Thousands + 5 hundreds + 6 tens + 2 ones

Write the following numbers in standard form :

- a) Ninety six thousand , five hundred and fifteen :
- b) Seventy thousand , Two hundred and five :
- c) Ten thousand and five :
- d) Sixteen thousand and four hundred :
- e) Five thousand and eleven :
- f) $30\ 000 + 2\ 000 + 500 + 40 + 2 =$
- g) $800 + 50\ 000 + 7 =$
- h) $20 + 1 + 70\ 000 + 4000 =$
- i) $25\ \text{thousand} + 4\ \text{hundred} + 6\ \text{tens} + 2\ \text{ones} =$
- j) $8\ \text{hundreds} + 15\ \text{thousands} + 2\ \text{ones} + 3\ \text{tens} =$
- k) $5\ \text{hundreds} + 20\ \text{thousands} + 4\ \text{ones} + 6\ \text{tens} =$
- l) $45\ \text{thousand} , 105 =$

Write the following numbers in expanded form :

- a) $35\ 256 =$ + + + +
- b) $98\ 125 =$ + + + +
- c) $30\ 065 =$ + + + +
- d) Ninety six thousand , Two hundred and fifty seven
 $=$ + + + +
- e) Eighty thousand , five hundred and two
 $=$ + + + +
- f) Ten Thousand and five
 $=$ + + + +
- g) 15 thousand , 298
 $=$ + + + +
- h) $70\ \text{thousand} , 25 =$ + + + +

Write the following numbers in expanded form :

- a) $35\ 256 = \dots \dots \text{thousands} + \dots \dots \text{hundreds} + \dots \dots \text{tens} + \dots \dots \text{ones}$
- b) $40\ 128 = \dots \dots \text{thousands} + \dots \dots \text{hundreds} + \dots \dots \text{tens} + \dots \dots \text{ones}$
- c) $96\ 138 = \dots \dots \text{hundreds} + \dots \dots \text{thousands} + \dots \dots \text{ones} + \dots \dots \text{tens}$
- d) $18\ 050 = \dots \dots \text{tens} + \dots \dots \text{thousands} + \dots \dots \text{ones} + \dots \dots \text{hundreds}$
- e) Seventy two thousand, six hundred and fourteen
- f) $\quad \quad \quad = \dots \dots \text{thousands} + \dots \dots \text{ones} + \dots \dots \text{hundreds} + \dots \dots \text{tens}$
- g) Eighteen thousand, Five hundred and twenty seven
- h) $\quad \quad \quad = \dots \dots \text{thousands} + \dots \dots \text{hundreds} + \dots \dots \text{tens} + \dots \dots \text{ones}$
- i) Ninety thousand , and nineteen
- j) $\quad \quad \quad = \dots \dots \text{tens} + \dots \dots \text{hundreds} + \dots \dots \text{thousands} + \dots \dots \text{ones}$

Write the following numbers in word form :

- a) 45 369
-
- b) 29 023
-
- c) 20 105
-
- d) 12 thousand, 208
-
- e) 18 thousand , 830
-
- f) 10 thousand ,070
-

Write the following numbers in word form :

a) $30\text{ thousand} + 5\text{ hundreds} + 4\text{ tens} + 2\text{ ones} =$

.....

.....

b) $63\text{ thousand} + 8\text{ tens} + 5\text{ hundreds} + 2\text{ ones} =$

.....

.....

c) $2\text{ hundreds} + 52\text{ thousands} + 2\text{ ones} + 6\text{ tens} =$

.....

.....

d) $7\text{ ones} + 68\text{ thousands} + 4\text{ hundreds} + 3\text{ tens} =$

.....

.....

e) $50\ 000 + 2\ 000 + 100 + 30 + 4 =$

.....

.....

f) $10 + 90\ 000 + 600 + 4 + 7\ 000 =$

.....

.....

g) $20\ 000 + 50 + 4 =$

.....

.....

h) $90\ 000 + 4\ 000 + 20 =$

.....

.....



Sheet 2

First Choose the correct answer

- a** Sixty thousand , seven hundred and ninety six =
(6 796 or 60 796 or 67 096)
- b** Ninety thousand , 19 = (90 019 or 19019 or 9019)
- c** $30\,000 + 200 + 4 = \dots\dots\dots$ (30 024 or 32 004 or 30 204)
- d** 100 hundreds =..... thosand (10 000 or 100 or 10)
- e** 25 thousands + 6 ones + 7 hundreds + 9 tens =
(25 679 or 25 796 or 25 769)

Second Complete the following

- a** 15 thousand , 50 = (Standard form)
- b** $200 + 50\,000 + 6 + 9000 + 7 = \dots\dots\dots$ (Standard form)
- c** $95\,256 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- d** 9 thousand + 5 tens + 7 ones + 2 hundreds =
- e** 60 308 (Word form) :

Third Answer the following

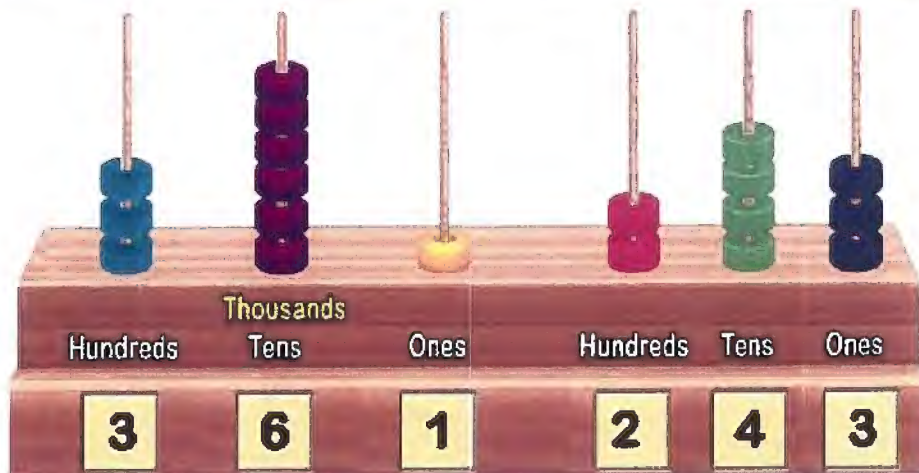
Mach

Ninety nine thousand and nine hundred	90 099
Ninety thousand and ninety nine	90 990
Ninety thousand , nine hundred and nine	99 900
Ninety thousand , nine hundred and ninety	90 909

LESSON 3

6-digit number
(Hundred-thousands)

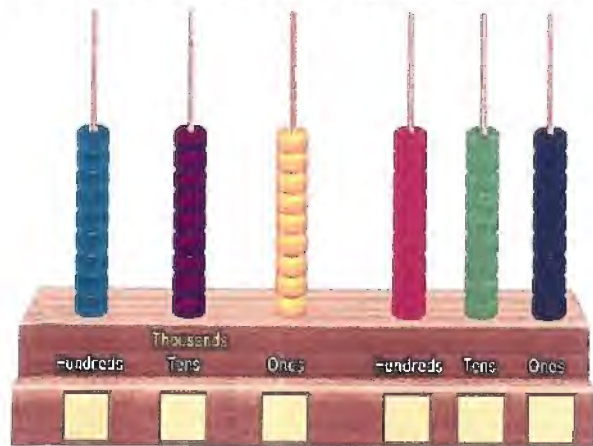
Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones	Hundreds	Tens	Ones
3	6	1	2	4	3

STANDARD
FORM**361 243**WORD
FORM**Three hundred sixty one thousand ,
two hundred forty three.**SHORT WORD
FORM**361 thousand , 243.**EXPANDED
FORM**300 000 + 60 000 + 1 000 + 200 + 40 + 3.****361 thousand + 2 hundreds + 4 tens + 3 ones.**

Remarks

100 thousands = 100 000**100 thousands = 1000 hundreds****100 thousands = 10000 tens****200 000 = 200 thousands = 2000 hundreds = 20000 tens**

Write the number shown on the Abacus :



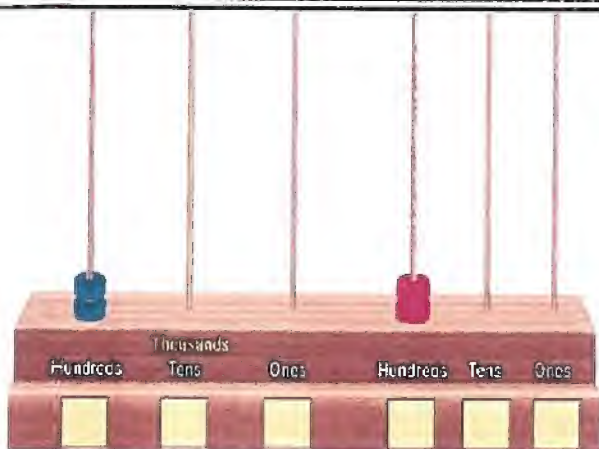
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + + +
 thousands + hundreds + tens + ones



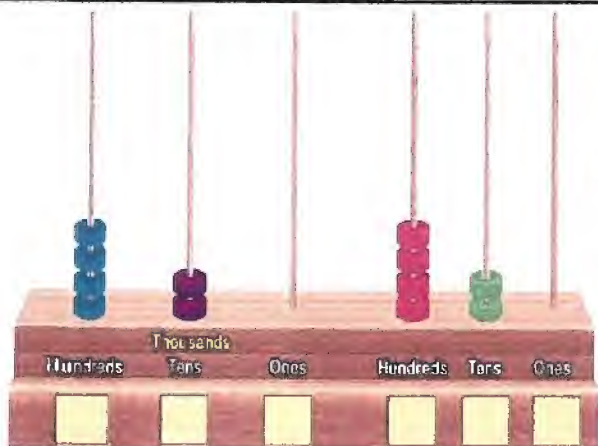
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + + +
 thousands + hundreds + tens + ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... + + + + +
 thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	5	0	0	7	2

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	0	0	8	1	0

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
2	1	5	0	0	3

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Write the following numbers in standard form:

- a) Five hundred six thousand , two hundred forty five :
- b) 367 thousands + 5 hundreds + 2 tens + 3 ones =
- c) 818 thousands , 482 =
- d) 200 000 + 40 000 + 5 000 + 900 + 80 + 7 =

Write the following numbers in word form:

- a) 100 066 :
- b) 550 thousand + 2 hundreds :
- c) 206 thousand , 20 :
- d) 200 000 + 200 :

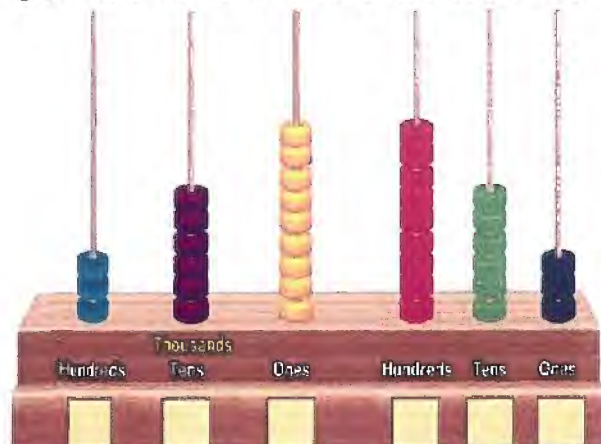
Write the following numbers in short word form:

- a) Nine hundred thousand and fifteen :
- b) 313 thousands + 33 tens :
- c) 975 009 :
- d) 800 000 + 10 000 + 5000 + 500 + 90 + 1 =

Write the following numbers in expanded form:

- a) 815 125 = + + + +
- b) 179 375 = thousands + hundreds + tens + ones
- c) Seven hundred ninety five thousand , nine hundred sixty four
= + + + +
- d) 515 thousand , 155
= + + + +

Write the number shown on the Abacus :



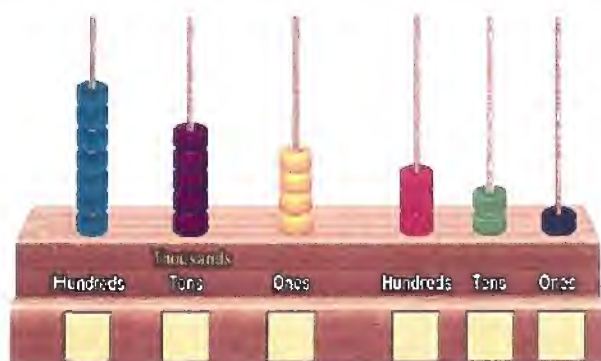
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



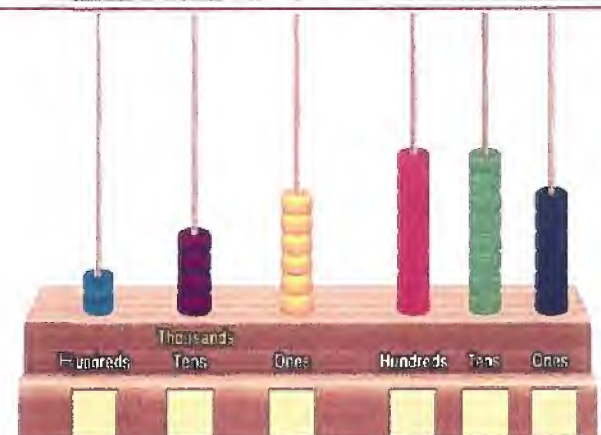
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones



STANDARD FORM

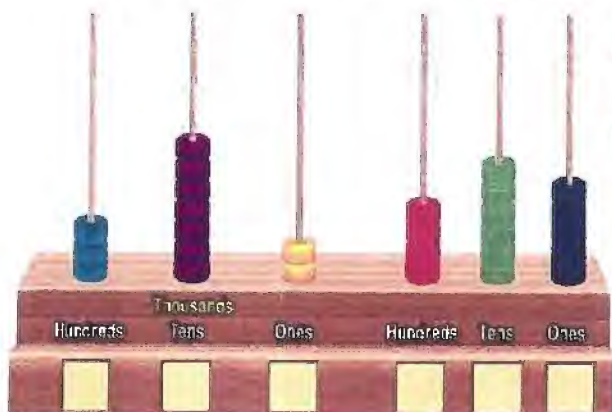
SHORT WORD FORM

WORD FORM

EXPANDED FORM

thousands + hundreds + tens + ones

Write the number shown on the Abacus :



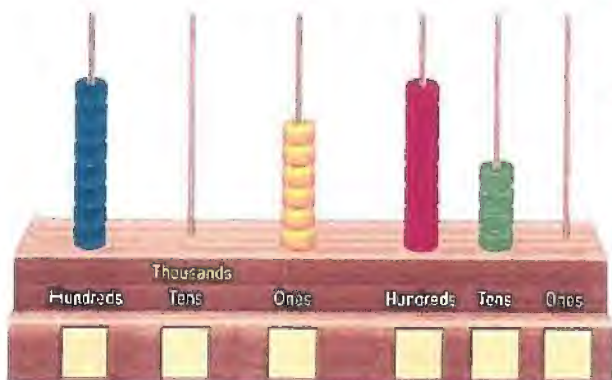
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

$\quad + \quad + \quad + \quad + \quad +$
thousands + hundreds + tens + ones



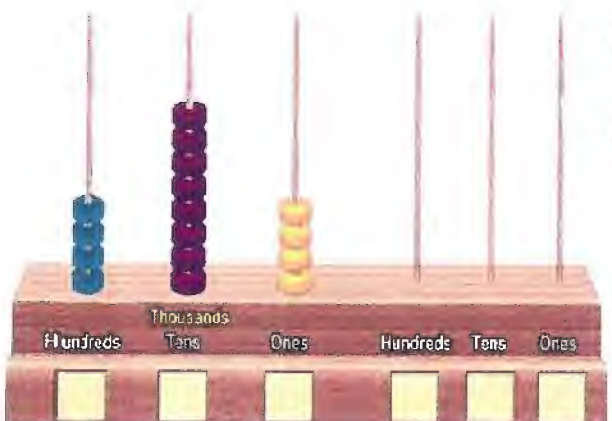
STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

$\quad + \quad + \quad + \quad + \quad +$
thousands + hundreds + tens + ones



STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

$\quad + \quad + \quad + \quad + \quad +$
thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
5	7	3	9	0	4

STANDARD
FORM

.....

SHORT WORD
FORM

.....

WORD
FORM

.....

EXPANDED
FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
7	1	6	5	7	3

STANDARD
FORM

.....

SHORT WORD
FORM

.....

WORD
FORM

.....

EXPANDED
FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
2	3	4	7	8	9

STANDARD
FORM

.....

SHORT WORD
FORM

.....

WORD
FORM

.....

EXPANDED
FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
9	9	9	9	9	9

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
5	0	3	0	1	8

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Thousands			Hundreds	Tens	Ones
Hundreds	Tens	Ones			
6	7	2	0	0	4

STANDARD FORM

SHORT WORD FORM

WORD FORM

EXPANDED FORM

..... thousands + hundreds + tens + ones

Write the following numbers in standard form:

a Nine hundred nine **thousand** , Ninety nine
(.....)

b Five hundred twenty six **thousand** , fifteen
(.....)

c Two hundred thirty **thousand** , three hundred
(.....)

d **thousand** , fifty
(.....)

e Five hundred fifty **thousand**
(.....)

f Five hundred **thousand** , five
(.....)

g Five hundred five **thousand**
(.....)

h Five hundred **thousand** , five hundred
(.....)

i Eight hundred sixty seven **thousand** , seven hundred
eight four
(.....)

j Seven hundred thirty **thousand** , thirty seven
(.....)

k Nine hundred ninety nine **thousand** , nine hundred and
ninety nine
(.....)

l Four hundred fourteen **thousand** , four hundred fourteen
(.....)

m Four hundred four **thousand** , four hundred four
(.....)

n Six hundred sixty two **thousand** , one hundred and
seventy three
(.....)

Write the following numbers in word form:

a 785 521

.....

.....

b 502 020

.....

.....

c 540 120

.....

.....

d 560 217

.....

.....

e 500 200

.....

.....

f 303 000

.....

g 300 300

.....

h 300 003

.....

i 300 030

.....

Complete :

- a** $500\ 000 + 20\ 000 + 6\ 000 + 800 + 90 + 2 = \dots\dots\dots$
- b** $9 + 20 + 500 + 2\ 000 + 70\ 000 + 600\ 000 = \dots\dots\dots$
- c** $800\ 000 + 2\ 000 + 200 + 7 = \dots\dots\dots$
- d** $500\ 000 + 80\ 000 + 3 = \dots\dots\dots$
- e** $600\ 000 + 300 + 40 + 2 = \dots\dots\dots$
- f** $50 + 800\ 000 + 6\ 000 = \dots\dots\dots$
- g** $780\ 960 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- h** $903\ 103 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- i** $500\ 803 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- j** $902\ 007 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$

Complete :

- a** $858\ 231 = \dots\dots \text{thousands} + \dots \text{hundreds} + \dots \text{tens} + \dots \text{ones}$
- b** $820\ 025 = \dots\dots \text{ones} + \dots \text{hundreds} + \dots\dots \text{thousands} + \dots \text{tens}$
- c** $65\ 023 = \dots\dots \text{thousands} + \dots \text{hundreds} + \dots \text{tens} + \dots \text{ones}$
- d** $10\ 203 = \dots \text{tens} + \dots\dots \text{thousands} + \dots \text{hundreds} + \dots \text{ones}$
- e** $125 \text{ thousands} + 2 \text{ hundreds} + 6 \text{ tens} + 7 \text{ ones} = \dots\dots\dots$
- f** $9 \text{ hundreds} + 8 \text{ ones} + 782 \text{ thousands} + 3 \text{ tens} = \dots\dots\dots$
- g** $3 \text{ ones} + 25 \text{ thousands} + 7 \text{ tens} = \dots\dots\dots$
- h** $12 \text{ thousands} + 9 \text{ tens} = \dots\dots\dots$



Sheet 3

First Choose the correct answer

- a** Five hundred sixty thousand , sixty five =
(560 065 or 56 065 or 5656)
- b** 700 thousad, 7 = (700 700 or 700 007 or 700 070)
- c** $3 + 0 + 0 + 0 + 0 + 4 = \dots\dots\dots$ (300 004 or 34 or 7)
- d** 250 thousands = Tens (250 000 or 25 000 or 2 500)
- e** 602 thousands + 5 hundreds + 2 tens =
(60 252 or 602 052 or 602 520)

Second Complete the following

- a** Two hundred sixty one thousand, fifty two =
- b** $70\ 000 + 50 + 500\ 000 + 300 + 5 + 8\ 000 = \dots\dots\dots$
- c** 200 thousand, 20 =
- d** 852 thousand + 7 tens + 5 ones =
- e** $\uparrow, \downarrow, \uparrow, \downarrow, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots$

Thrd Answer the following

Match :

Six hundred thousand ,
six hundred six

606 600

Six hundred six thousand ,
six hundred

606 006

Six hundred sixty thousand ,
and six

600 606

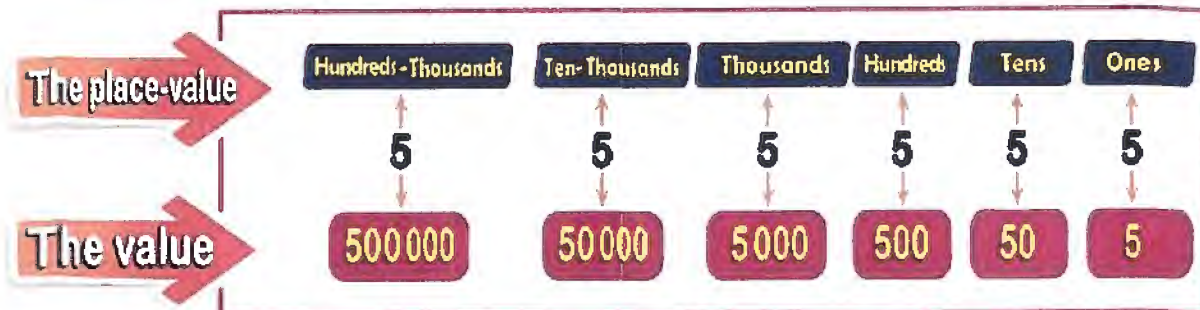
Six hundred six thousand ,
and six

660 006

LESSON

4

The place-value



Example

The digit **5** in the number 35 792 is:
In the place of **thousands** and its value is **5 000**

1 Complete the following table :

	The Number	The value of the encircled digit	The place-value of the encircled digit
a	455 369	.....	.....
b	362 512	.....	.....
c	280 239	.....	.....
d	696 274	.....	.....
e	51 780	.....	.....
f	39 924	.....	.....
g	17 357	.....	.....
h	28 474	.....	.....

2 Write **the value** of the digit 7 in each of the following :

a 788 569 : **d** 399 750 :

b 180 217 : **e** 675 584 :

c 432 476 : **f** 207 000 :

3 Write **the place-value** of the digit 4 in each of the following :

a 532 485 : **d** 947 239 :

b 325 374 : **e** 614 698 :

c 250 241 : **f** 421 100 :

4 Complete each of the following :

a $250\,000 + 25 =$

b $20\,000 + 2 =$

c $6 + 800\,000 + 900 =$

d $28\,000 + 140 =$

e 773 thousand + 5 hundreds + 4 tens =

f 8 ones + 354 thousands + 4 tens =

g $450\,045 = 45 +$

h $200\,020 = 20 +$

i $78\,245 =$ thousands + hundreds + tens + ones

1 Complete the following table :

	The Number	The value of the encircled digit	The place-value of the encircled digit
a	788 125	.....	.....
b	149 896	.....	.....
c	223 468	.....	.....
d	414 987	.....	.....
e	849 875	.....	.....
f	810 558	.....	.....
g	247 028	.....	.....
h	310 234	.....	.....
i	695 580	.....	.....
j	47 682	.....	.....
k	20 006	.....	.....
l	87967	.....	.....
m	66347	.....	.....
n	2978	.....	.....
o	8714	.....	.....
p	4709	.....	.....
q	9999	.....	.....
r	2058	.....	.....

2 Write the value of the digit 7 in each of the following :

- | | |
|-----------------------------|-----------------------------|
| 1) 645 69 7 : | 2) 55 12 7 : |
| 3) 868 7 20 : | 4) 24 2 7 9 : |
| 5) 5 7 0 569 : | 6) 3 7 14 : |
| 7) 221 3 7 8 : | 8) 7 028 : |
| 9) 7 50 008 : | 10) 7 1 112 : |
| 11) 98 7 698 : | 12) 25 7 89 : |
| 13) 555 7 02 : | 14) 68 12 7 : |
| 15) 983 98 7 : | 16) 5 7 369 : |
| 17) 0 7 2 : | 18) 12 1 7 6 : |
| 19) 7 298 : | 20) 7 0 002 : |

3 Write the place-value of the digit 4 in each of the following :

- | | |
|-----------------------------|-----------------------------|
| 1) 136 12 4 : | 2) 4 258 : |
| 3) 868 4 17 : | 4) 2 0 4 8 : |
| 5) 2 4 8 123 : | 6) 3 00 4 : |
| 7) 798 2 4 7 : | 8) 9 4 17 : |
| 9) 11 4 816 : | 10) 9 12 4 : |
| 11) 4 11 152 : | 12) 4 2 369 : |
| 13) 4 368 : | 14) 1 4 589 : |
| 15) 1 2 4 8 : | 16) 25 4 78 : |
| 17) 4 12 : | 18) 63 12 4 : |
| 19) 35 4 : | 20) 98 2 4 7 : |

4 Complete each of the following :

1) $200\ 000 + 50 = \dots\dots\dots$ 2) $60\ 000 + 6000 = \dots\dots\dots$

3) $500\ 000 + 3 = \dots\dots\dots$ 4) $40\ 000 + 400 = \dots\dots\dots$

5) $600\ 000 + 800 = \dots\dots\dots$ 6) $900\ 000 + 90 = \dots\dots\dots$

7) $150\ 000 + 15 = \dots\dots\dots$ 8) $600\ 000 + 6 = \dots\dots\dots$

9) $300\ 000 + 30 = \dots\dots\dots$ 10) $77\ 000 + 77 = \dots\dots\dots$

11) $58\ 058 = 58 + \dots\dots\dots$ 12) $700\ 070 = 70 + \dots\dots\dots$

13) $122\ 568 = 568 + \dots\dots\dots$

14) $100\ 000 + 20\ 000 + 5\ 000 + 200 + 80 + 9 = \dots\dots\dots$

15) $30\ 000 + 6\ 000 + 800 + 30 + 2 = \dots\dots\dots$

16) $8 + 1\ 000 + 90 + 600\ 000 + 200 = \dots\dots\dots$

17) $90 + 900\ 000 + 9 = \dots\dots\dots$

18) $600 + 3\ 000 + 200\ 000 = \dots\dots\dots$

19) $288\ \text{thousands} + 5\ \text{hundreds} + 3\ \text{tens} + 5\ \text{ones}$
 $= \dots\dots\dots$

20) $6\ \text{hundreds} + 559\ \text{thousands} + 3\ \text{ones} = \dots\dots\dots$

21) $7\ \text{tens} + 482\ \text{thousands} + 3\ \text{ones} = \dots\dots\dots$

22) $59\ \text{thousands} + 2\ \text{tens} = \dots\dots\dots$

23) $336\ 489 = \dots\dots\dots\ \text{thousands} + \dots\dots\dots\ \text{hundreds}$
 $+ \dots\dots\dots\ \text{tens} + \dots\dots\dots\ \text{ones}$

24) $50\ 287 = \dots\dots\dots\ \text{thousands} + \dots\dots\dots\ \text{hundreds}$
 $+ \dots\dots\dots\ \text{tens} + \dots\dots\dots\ \text{ones}$



Sheet 4

First Choose the correct answer

- a** Twenty five thousand , four hundred and six =
(2 546 or 25 460 or 25 406)
- b** $200\ 020 = 20 + \dots\dots\dots$ (200 000 or 200 or 20)
- c** 300 hundreds = ... thousands (3 or 30 or 300)
- d** $360 + 36 = \dots\dots\dots$ (36 036 or 3636 or 396)
- e** The value of the digit 5 in the number 36 589 is
(5 000 or 500 or 50)

Second Complete the following

- a** $200\ 000 + 90\ 000 + 4\ 000 + 200 + 70 + 6 = \dots\dots\dots$
- b** The place-value of the digit 5 in the number 566 102 is
- c** 9 tens + 5 ones + 377 thousands =
- d** 98 thousand , 25 = (Standard form)
- e** 230 090 (Word form) :

Third Answer the following

- a** Write the value of the encircled digit in each of the following :
- a) 523 51² : b) 366 ²58 :
- c) 2⁵6 023 : e) ¹00 236 :
- e) 85 5⁹8 : f) 6 ¹28 :
- g) ⁹0 002 : h) 845 3⁶9 :
- b** Write the place-value of the encircled digit in each of the following .
- a) ³60 258 : b) 6⁹0 003 :
- c) 127 ⁰28 : e) 118 ²47 :
- e) ⁶5 987 : f) 58³ 571 :
- g) 89 2³0 : h) 28 91⁴ :

LESSON

5

Before and After

Example

The number **56 258** comes right after **56 257**

The number that comes right after **56 258** is **56 259**

Example

The number **336 999** comes right before **337 000**

The number that comes right before **336 999** is **336 998**

1 The number that comes right after :

a 35 783 is **d** 315 099 is

b 68 029 is **e** 820 999 is

c 45 199 is **f** 699 999 is

2 The number that comes right before :

a 370 689 is **d** 13 000 is

b 582 540 is **e** 50 000 is

c 700 000 is **f** 4 500 is

3 Complete the following table

	The number before	The number	The number after
a	56 099	
b	100 000	
c	8 206	

4 Complete in the same pattern

a	25 000	25 010	.....	25 030
	25 040	.....	.....	25 070
	25 080	25 090	.....	.....
	.....	.....	25 140	.....

The
pattern

.....

b	24 050	23 050	22 050	.....
	.....	.....	18 050	.....
	.....	15 050	.....	.....
	.....	.....	10 050	.....

The
pattern

.....

c	543 200	553 200	563 200	.....
	.....	.....	603 200	.....
	.....	633 200	.....	.....
	.....	.....	683 200	.....

The
pattern

.....

5 Complete:

- a** The number that comes right **after** 26 999 is
- b** The number that comes right **before** 300 000 is
- c** The number 6 528 comes right **after**
- d** The number 522 060 comes right **before**
- e** The number comes right **before** 50 080 .
- f** The number comes right **after** 2 125 .

1 The number that comes right after :

- | | |
|---------------------|--------------------|
| 1) 925 366 : | 2) 5 639 : |
| 3) 415 029 : | 4) 4 289 : |
| 5) 510 989 : | 6) 5 099 : |
| 7) 623 299 : | 8) 6 199 : |
| 9) 810 399 : | 10) 89 999 : |
| 11) 315 999 : | 12) 39 999 : |
| 13) 170 999 : | 14) 10 009 : |
| 15) 959 999 : | 16) 99 990 : |
| 17) 139 999 : | 18) 10 099 : |
| 19) 99 999 : | 20) 12 354 : |

2 The number that comes right before :

- | | |
|---------------------|--------------------|
| 1) 182 368 : | 2) 1 000 : |
| 3) 252 012 : | 4) 2 100 : |
| 5) 950 321 : | 6) 3 900 : |
| 7) 390 250 : | 8) 5 230 : |
| 9) 765 190 : | 10) 6 780 : |
| 11) 512 200 : | 12) 5 000 : |
| 13) 250 100 : | 14) 20 000 : |
| 15) 650 000 : | 16) 56 111 : |
| 17) 110 000 : | 18) 22 001 : |
| 19) 100 000 : | 20) 31 201 : |

3 Complete the following table

	The number before	The number	The number after
a	325 365	.....
b	312 030	.....
c	145 120	.....
d	636 700	.....
e	50 000	.....
f	699 999	.....
g	500 000	.....
h	85 100	.....
i	80 999	.....
j	60 000	.....
k	59 999	.....
l	10 000	.....
m	1 000	.....
n	9 999	.....
o	999	.....
p	20 107	.....

4 Complete in the same pattern

a	12 900	12 910	12 920	.....
	.....	.....	12 960	12 970
	12 980	.....	.....	13 010
	.....	.....	13 040	.....

The
pattern
.....

b	5 260	5 250	5 240	.....
	.....	5 210	.....	.....
	5 180	.....	.....	5 150
	.....	5 130	5 120	.....

The
pattern
.....

c	67 500	.....	67 700	67 800
	67 900	.....	.....	68 200
	.....	68 400	68 500	.....
	68 700	.....	.....	.....

The
pattern
.....

d	.....	37 900	37 800	.....
	37 600	.....	.....	37 300
	.....	37 100	37 000	.....
	36 800	36 700	.....	.....

The
pattern
.....

e	5 000	6 000	.....	.....
	9 000	.....	.....	12 000
	.....	.....	15 000	.....
	17 000	.....	.....	20 000

The
pattern
.....

f	57 020	56 020	55 020	.....
	53 020	.....	.....	50 020
	.....	48 020	.....	.....
	.....	.....	43 020	.....

The
pattern
.....

g	200 000	211 000	222 000	.....
	.....	.....	.....	277 000
	288 000	.....	310 000	.....
	332 000	.....	.....	365 000

The
pattern
.....

5 Complete :

- 1) The number that comes right **after** 366 258 is
- 2) The number that comes right **after** 70 999 is
- 3) The number that comes right **after** 999 is
- 4) The number that comes right **before** 155 000 is
- 5) The number that comes right **before** 22 100 is
- 6) The number that comes right **before** 2 500 is
- 7) The number 355 025 comes right **after**
- 8) The number 16 000 comes right **after**
- 9) The number 8 023 comes right **after**
- 10) The number 99 999 comes right **before**
- 11) The number 100 099 comes right **before**
- 12) The number 5 236 comes right **before**
- 13) The number comes right **after** 599 999 .
- 14) The number comes right **after** 11 009 .
- 15) The number comes right **after** 7 123 .
- 16) The number comes right **before** 80 200 .
- 17) The number comes right **before** 133 022 .
- 18) The number comes right **before** 1 500 .

First Choose the correct answer

- a The number that comes right after 255 099 is
(266 000 or 255 199 or 255 100)
- b $30 + 0 + 0 + 0 + 4 = \dots\dots\dots$ (300 004 or 34 or 304)
- c 20 thousands = hundreds (2 000 or 200 or 20)
- d 5 ones + 75 thousands = (75 005 or 75 500 or 75 050)
- e The value of the digit 9 in the number 82 914 is
(90 000 or 9 000 or 900)

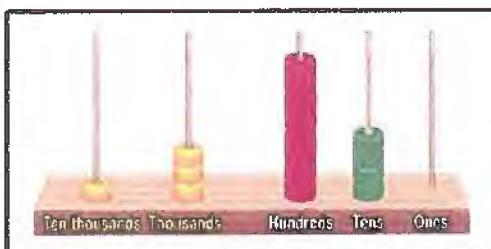
Second Complete the following

- a The number 78 023 comes right before
- b $60 + 50\,000 + 400 + 8 + 9\,000 + 700\,000 = \dots\dots\dots$
- c The place-value of the digit 5 in the number 5 123 is
- d 22 500 , 22 600 , 22 700 , , ,
- e 40 011 (Word form) :

Third Answer the following

- a Match :
- | | |
|------------------------|---------|
| 5 thousands + 5 ones | 50 050 |
| 50 thousands + 5 tens | 500 005 |
| 5 thousands + 5 tens | 5 005 |
| 500 thousands + 5 ones | 5 050 |

- b Write the number shown on the abacus:



Standard form :

Word form :

.....
.....

LESSON 6

Comparing Two Numbers

1 The **largest** number formed from

- a 4 digits is
- b 4 same digits
- c 4 different digits
- d 5 digits is
- e 5 same digits
- f 5 different digits
- g 6 digits is
- h 6 same digits
- i 6 different digits

2 The **smallest** number formed from

- a 4 digits is
- b 4 same digits
- c 4 different digits
- d 5 digits is
- e 5 same digits
- f 5 different digits
- g 6 digits is
- h 6 same digits
- i 6 different digits

3 Complete using $<$, $=$ or $>$:

a 45 658 62 021

b 650 023 650 009

c 100 101 88 017

g 35 thousands + 45 35 450

h 200 thousands + 8 hundreds 208 000

i 50 000 + 400 + 3 50 043

j 60 + 600 Sixty thousand and six hundred

d 78 569 79 003

e 288 119 288 109

f 54 002 54 200

4 Complete the following :

- a** The largest 5-digit number is
- b** The largest number formed from 5 different digits
is
- c** The largest number formed from 5 same digits
is
- d** The smallest 4-digit number is
- e** The smallest number formed from 4 different digits
is
- f** The smallest number formed from 4 same digits
is
- g** The largest number formed from the digits :
(5 , 8 , 3 , 7 and 4) is
- h** The smallest number formed from the digits :
(4 , 1 , 6 and 9) is
- i** The largest 5 - digit - number formed from the digits :
(3 , 8 and 4) is
- j** The smallest 4 - digit - number formed from the digits :
(5 and 8) is



HOMEWORK

1 Complete using $<$, $=$ or $>$:

a 345 123 600 201

g 25 268 17 268

b 788 250 788 520

h 36 159 36 159

c 441 002 441 020

i 39 020 39 200

d 99 999 100 010

j 6 302 60 020

e 90 909 99 090

k 12 000 10 200

f 5 628 5 268

l 77 020 77 202

m $200\ 000 + 20\ 000 + 3\ 000 + 200 + 10 + 7$ 223 217

n $5 + 20 + 300 + 7\ 000 + 60\ 000$ 52 376

p 255 thousands + 2 hundreds + 7 ones 255 207

q 5 tens + 7 thousands + 4 hundreds 7 405

r Twenty thousand and twenty 2 020

s Thirteen thousand, one hundred and three 13 013

t The largest 5-digit number 99 099

u The smallest 6-different-digit number 123 456

v $500\ 000 + 50\ 000 + 500 + 5$ 555 005

w $3600 + 36$ 360 036

2 Complete: The largest :

- a** 4-digit number is
- b** 5-digit number is
- c** 6-digit number is
- d** 4-different-digit number is
- e** 5-different-digit number is
- f** 6-different-digit number is
- g** 4-same-digit number is
- h** 5-same-digit number is
- i** 6-same-digit number is

3 Complete: The smallest :

- a** 4-digit number is
- b** 5-digit number is
- c** 6-digit number is
- d** 4-different-digit number is
- e** 5-different-digit number is
- f** 6-different-digit number is
- g** 4-same-digit number is
- h** 5-same-digit number is
- i** 6-same-digit number is

4 The **largest** number formed from the digits:

- a** (5 , 8 , 6 , 2 , 7 and 3) is
- b** (7 , 4 , 2 , 9 , 1 and 5) is
- c** (9 , 3 , 6 and 4) is
- d** (6 , 9 , 0 , 4 and 1) is
- e** (8 , 2 , 4 , 0 and 7) is
- f** (2 , 7 , 0 and 3) is

5 The **smallest** number formed from the digits:

- a** (6 , 2 , 5 and 9) is
- b** (7 , 8 , 0 and 4) is
- c** (2 , 0 , 6 and 3) is
- d** (7 , 9 , 0 , 6 and 1) is
- e** (9 , 2 , 7 , 8 , 3 and 5) is
- f** (4 , 1 , 0 , 7 , 6 and 9) is

6 The **largest** and the **smallest** 5-digit number formed from the digits:

- a** (3 , 2 , 7 and 9) is ,
- b** (3 , 2 and 9) is ,
- c** (8 and 3) is ,

7 The **largest** and the **smallest** 6-digit number formed from the digits:

- a** (2 , 6 and 3) is ,
- b** (9 , 2 , 6 and 1) is ,
- c** (3 and 8) is ,

First Choose the correct answer

- a** The largest number formed from 5 - different digits is
(99 999 or 98 765 or 10 234)
- b** $720\ 072 = 72 + \dots\dots\dots$ (7200 or 72 or 720 000)
- c** The value of the digit 8 in the number 528 635 is
(80 000 or 8 000 or 800)
- d** 45 hundreds = (45 00 or 45 000 or 450)
- e** 15 thousands + 9 ones + 3 hundreds + 8 tens =
(15 389 or 15 938 or 15 3 98)

Second Complete the following

- a** Eighteen thousand and eighteen (Standard form) :
- b** The smallest 6-digit number formed from the digits :
(5 , 2 and 7) is
- c** The smallest 5-different digit number is
- d** The place-value of the digit 6 in the number 54 632 is
- e** $72\ 368 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$

Third Answer the following

Complete using < , = or > :

- (a) $556\ 321$ $536\ 321$ (b) $811\ 003$ $811\ 003$
- (c) $9\ 602$ $9\ 062$ (d) $7\ 042$ $7\ 402$
- (e) 83 thousand + 3 ones + 6 tens 83 063
- (f) The smallest 5-digit number 9 999
- (g) $5 + 20 + 300 + 7\ 000 + 80\ 000$ 52 378

LESSON

7

Arranging th numbers

The ascending order

From the **smallest** number to the **greatest** number

The descending order

From the **greatest** number to the **smallest** number

Arrange each group of the following numbers in
an **ascending order** and in a **descending order** :

1 233 518 , 885 359 , 569 125 , 100 258 , 445 036

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

2 8 526 , 8 625 , 8 256 , 8 562 , 8 265

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

3 50 050 , 50 500 , 55 000 , 50 555 , 55 055

The ascending order :

..... , , , ,

The descending order :

..... , , , ,



Arrange each group of the following numbers in an ascending order and in a descending order :

1 45 368 , 21 789 , 98 102 , 78 023 , 62 039

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

2 32 023 , 98 123 , 75 023 , 54 987 , 20 368

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

3 500 368 , 500 638 , 500 863 , 500 386 , 500 683

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

4 700 064 , 700 406 , 700 604 , 700 046 , 700 460

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

5 5 023 , 9 120 , 5 320 , 9 012 , 7 002

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

6 166 451 , 166 154 , 166 541 , 166 415 , 166 145

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

7 15 501 , 15 105 , 15 015 , 15 150 , 15 510

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

8 40 050 , 40 005 , 45 000 , 40 500 , 40 550

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

9 8 000 , 1 800 , 18 000 , 1 008 , 10 008

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

First Choose the correct answer

- a 5 ones + 3 hundreds + 74 thousands + 8 tens =
(53 748 or 74 385 or 74 358)
- b Seventy five thousand and seventy five.
(7 575 or 75 750 or 75 075)
- c $500 + 0 + 0 + 3 = \dots\dots\dots$ (50 003 or 503 or 53)
- d 1000 hundreds = (100 000 or 1000 or 10)
- e Eighty five thousand and eight =
(85 080 or 8 508 or 85 008)

Second Complete the following

- a The place-value of the digit 7 in the number 662 078 is
- b The number comes right after 500 999.
- c 25 012 , 25 022 , 25 032 , , ,
- d The largest 5 - same - digit number is
- e 2 000 more than 21 900 is

Third Answer the following

- a Arrange the following numbers in an ascending order .

45 603 , 45 036 , 45 306 , 45 630 , 45 063

..... , , , ,

- b Arrange the following numbers in a descending order .

50 500 , 5 050 , 50 005 , 5 500 , 50 050

..... , , , ,

- c Write the smallest and the largest number formed from

(4 , 5 , 3 , 0 , 7 , 6)

The smallest number = The largest number =

d Complete using $<$, $=$ or $>$:

5 023 62 009

78 569 79 003

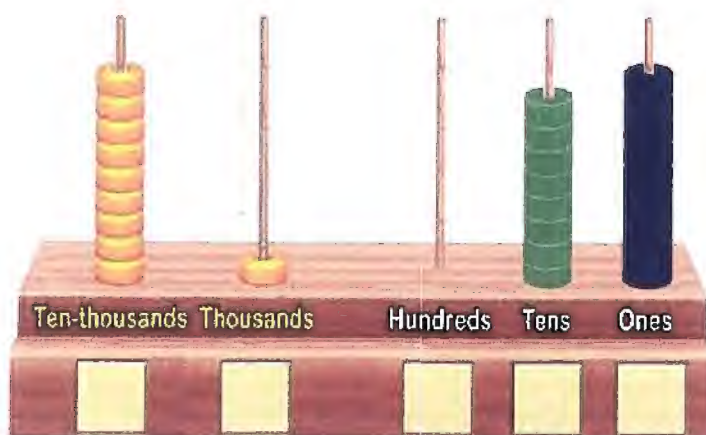
10 101 8 017

54 002 54 20

20 thousands + 8 hundreds 28 000

60 + 600 Sixty thousand and sixty

e Write the number shown on the Abacus :



**STANDARD
FORM**

.....

**SHORT WORD
FORM**

.....
.....

**WORD
FORM**

.....
.....

**EXPANDED
FORM**

.....

... thousands + ... hundreds + ... tens + ... ones

e Complete in the same pattern

57 020	56 020	55 020	.....
53 020	.....	.....	50 020
.....	48 020	.....	.....
.....	.....	43 020	.....

**The
pattern**

LESSON 8

Addition

FIRST: Addition using the place-value strategy :

Example

To add : 3 567 + 1 521

$$\begin{array}{rcll}
 3\ 567 & = & 3\ 000 & + & 500 & + & 60 & + & 7 \\
 1\ 521 & = & 1\ 000 & + & 500 & + & 20 & + & 1 \\
 \hline
 & & 4\ 000 & + & 1000 & + & 80 & + & 8 & = & 5\ 088
 \end{array}$$

Sum →

Solve the addition problems below using :

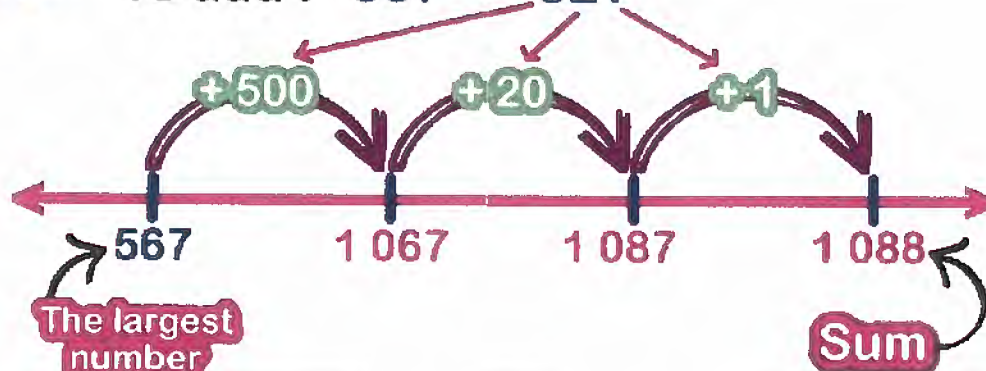
(The place-value strategy)

Problem	Work Space	Sum
567 + 321	<div>..... + +</div> <div>..... + +</div> <hr/> <div>..... + +</div>
6 237 + 1 582	<div>..... + + +</div> <div>..... + + +</div> <hr/> <div>..... + + +</div>
2 514 + 279	<div>..... + + +</div> <div>..... + +</div> <hr/> <div>..... + + +</div>

Second: Addition using the Number Line strategy :

Example

To add : $567 + 521$



Solve the addition problems below using :
(The number line strategy)

Problem	Work Space	Sum
$567 + 321$	
$6\,237 + 1\,582$	
$2\,514 + 279$	
$2\,481 + 503$	






1 Solve the addition problems below using :
(**The place-value strategy**)

	Problem	Work Space	Sum
a	$253 + 124$	$\begin{array}{r} \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \\ \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \\ \hline \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \end{array}$	.....
b	$376 + 342$	$\begin{array}{r} \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \\ \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \\ \hline \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \end{array}$	.....
c	$128 + 439$	$\begin{array}{r} \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \\ \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \\ \hline \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \end{array}$	.....
d	$428 + 297$	$\begin{array}{r} \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \\ \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \\ \hline \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \end{array}$	.....
e	$108 + 692$	$\begin{array}{r} \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \\ \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \\ \hline \dots\dots\dots + \dots\dots\dots + \dots\dots\dots \end{array}$	.....

	Problem	Work Space	Sum
f	5 125 + 3 753	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
g	6 287 + 1 521	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
h	2 458 + 3 451	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
i	6 666 + 2 314	<div>.....+.....+.....+.....</div> <div>.....+.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
j	7 357 + 242	<div>.....+.....+.....+.....</div> <div>.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....
k	6 824 + 257	<div>.....+.....+.....+.....</div> <div>.....+.....+.....</div> <hr/> <div>.....+.....+.....+.....</div>	.....

2 Solve the addition problems below using :
(The number line strategy)

	Problem	Work Space	Sum
a	$356 + 243$		.....
b	$147 + 237$		.....
c	$124 + 773$		.....
d	$257 + 212$		.....
e	$624 + 421$		.....

	Problem	Work Space	Sum
f	$3\ 125 + 4\ 234$		.....
g	$3\ 561 + 2\ 533$		.....
h	$4\ 258 + 3\ 124$		.....
i	$8\ 124 + 325$		.....
j	$3\ 587 + 413$		.....

3 Find the sum of each of the following :

a

$$\begin{array}{r} 1\ 2\ 3 \\ + 2\ 4\ 5 \\ \hline \end{array}$$

b

$$\begin{array}{r} 3\ 2\ 5 \\ + \quad \quad 6 \\ \hline \end{array}$$

c

$$\begin{array}{r} 4\ 7\ 7\ 8 \\ + 1\ 8\ 8\ 9 \\ \hline \end{array}$$

d

$$\begin{array}{r} 1\ 2\ 6 \\ + \quad 9\ 6 \\ \hline \end{array}$$

e

$$\begin{array}{r} 3\ 7\ 8 \\ + 2\ 8\ 1 \\ \hline \end{array}$$

f

$$\begin{array}{r} \quad 9\ 9\ 9 \\ + \quad \quad \quad 1 \\ \hline \end{array}$$

g

$$\begin{array}{r} 6\ 7\ 6 \\ + 1\ 5\ 6 \\ + \quad 3\ 7 \\ \hline \end{array}$$

h

$$\begin{array}{r} 7\ 2\ 2 \\ + \quad 2\ 7\ 8 \\ + \quad 1\ 9\ 9 \\ \hline \end{array}$$

i

$$\begin{array}{r} 7\ 9\ 5 \\ + 6\ 1\ 7\ 2 \\ + 1\ 9\ 8\ 8 \\ \hline \end{array}$$

j $2\ 6\ 5 + 7\ 3 =$

k $2\ 2\ 2 + 3\ 9\ 9 =$

l $4\ 9\ 9 + 1 =$

m $3\ 3\ 6\ 9 + 4\ 5\ 5 =$

n $4\ 6\ 6\ 6 + 2\ 2\ 5\ 4 =$


o $2\ 4\ 5\ 6 + 2\ 4\ 8\ 7 =$



First Choose the correct answer

- a** The largest 6-different-digit number is
(999 999 or 987 654 or 123 456)
- b** 850 thousand , 58 = (85 058 or 8 585 or 850 058)
- c** 50 000 comes right after (50 001 or 40 000 or 49 999)
- d** $250\,025 = 25 + \dots\dots\dots$ (250 000 or 250 or 2 500)
- e** The value of the digit 8 in the number 287 156 is
(80 000 or 8 000 or 80)

Second Complete the following

- a** The smallest number formed from the digits (5 , 8 , 3 , 0 , 7 , 4)
is
- b** 3 ones + 581 thousands + 8 tens = .
- c** The place-value of the digit 0 in the number 71 028 is
- d** The number that comes right after 99 999 is
- e**  , ,

Third Answer the following

- a** Find the result :
- ① $4\,568 + 512 = \dots\dots\dots$ ② $8\,002 + 1\,527 = \dots\dots\dots$
- ③ $800\,000 + 210 + 30\,000 = \dots\dots\dots$
- b** Order the following numbers in an ascending order .
500 , 500 000 , 50 , 50 000 , 5 000
..... , , , ,
- c** Add using the number line strategy :

($256 + 724 = \dots\dots\dots$) 

LESSON

9

Subtraction

FIRST: Subtraction using the place-value strategy :

Example

Subtract : $789 - 247$

Check

$$542 + 247$$

$$500 + 200 = 700$$

$$40 + 40 = 80$$

$$2 + 7 = 9$$

$$700 + 80 + 9 = 789$$

Hundreds	Tens	Ones
5	4	2

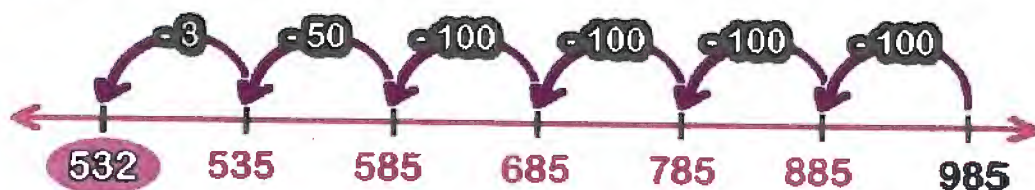
Solve the addition problems below using :

(The place-value strategy)

Subtraction Problems	Check
$854 - 523 = \dots\dots\dots$ 	$\dots\dots\dots + \dots\dots\dots = \dots\dots\dots$
$780 - 450 = \dots\dots\dots$	$\dots\dots\dots + \dots\dots\dots = \dots\dots\dots$
$2\,550 - 1\,225 = \dots\dots\dots$	$\dots\dots\dots + \dots\dots\dots = \dots\dots\dots$

Second: Subtraction using the number line strategy :

Example

 Subtract : $985 - 453$

Check

$$532 + 453 = 985$$

Solve the addition problems below using :
(The number line strategy)

Subtraction Problems	Check
$853 - 532 =$ 	
$7\,625 - 1\,213 =$ 	
$5\,328 - 416 =$ 	

1 Solve the addition problems below using :
(The place-value strategy)

Subtraction Problems	Check
a $756 - 125 = \dots\dots$ <div> <div> <div>□</div> <div>□</div> <div>□</div> </div> <div> <div>□</div> <div>□</div> <div>□</div> <div>□</div> </div> </div> <div> <div>□</div> <div>□</div> <div>□</div> </div> <div> <div>□</div> <div>□</div> </div> <div> <div>□</div> <div>□</div> <div>□</div> </div>	$\dots\dots + \dots\dots = \dots\dots$
b $783 - 543 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$
c $527 - 514 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$
d $7\,458 - 536 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$
e $4\,892 - 951 = \dots\dots$	$\dots\dots + \dots\dots = \dots\dots$

Subtraction Problems

f

7 3 2 1 5 8 - 2 0 6 5 =

$$\dots + \dots = \dots$$

g

4 3 2 1 - 3 0 1 =

$$\dots + \dots = \dots$$

h

$$3\,158 - 2\,065 = \dots$$

$$\dots + \dots = \dots$$

i

$$4\,321 - 301 = \dots$$

$$\dots + \dots = \dots$$

j

$$3\,500 - 240 = \dots$$






$$\dots + \dots = \dots$$

k

$$9\,105 - 550 = \dots$$

$$\dots + \dots = \dots$$

- 2** Solve the addition problems below using :
(The number line strategy)

Subtraction Problems	Check
a $753 - 241 =$ 	
b $856 - 215 =$ 	
c $777 - 253 =$ 	
d $654 - 129 =$ 	
e $654 - 294 =$ 	

Subtraction Problems

f

g $9\,529 - 283 =$



h $8\,547 - 3\,421 =$



i $6\,542 - 2\,217 =$



j $7\,000 - 1\,423 =$



3 Subtract:

a
$$\begin{array}{r} 753 \\ - 245 \\ \hline \end{array}$$

b
$$\begin{array}{r} 456 \\ - 321 \\ \hline \end{array}$$

c
$$\begin{array}{r} 4978 \\ - 1889 \\ \hline \end{array}$$

d
$$\begin{array}{r} 218 \\ - \quad 5 \\ \hline \end{array}$$

e
$$\begin{array}{r} 778 \\ - 281 \\ \hline \end{array}$$

f
$$\begin{array}{r} 4997 \\ - \quad 448 \\ \hline \end{array}$$

g
$$\begin{array}{r} 705 \\ - \quad 78 \\ \hline \end{array}$$

h
$$\begin{array}{r} 1000 \\ - \quad \quad 1 \\ \hline \end{array}$$

i
$$\begin{array}{r} 2708 \\ - 1378 \\ \hline \end{array}$$

j $265 - 73 =$

k $622 - 399 =$

l $491 - 9 =$

m $3369 - 455 =$

n $4656 - 2264 =$

o $3086 - 2457 =$



Sheet 9

First Choose the correct answer

- a** Nine hundred thousand, ninety nine =
(999 000 or 900 990 or 900 099)
- b** The value of the digit 5 in the number 259 024 is
(50 000 or 500 000 or 5 000)
- c** $800 + 200\,000 + 60 + 30\,000 + 7 + 9\,000 = \dots\dots\dots$
(826 379 or 239 867 or 237 896)
- d** The number that comes right after 80 999 is
(81 000 or 90 999 or 80 100)
- e** The smallest 5-diferent-digit number is
(12345 or 98 765 or 10 234)

Second Complete the following

- a** 78 thousands + 8 hundreds + 5 ones + 7 tens =
- b** The largest 6-digit - number is
- c** $800\,254 = 254 + \dots\dots\dots$
- d** The place value of the digit 8 in the number 53 087 is
- e** $\triangle \square$, $\triangle \square$, ,

Third Answer the following

Use the number line strategy to find :

- a** $459 + 262 = \dots\dots\dots$



- b** $4\,562 - 2\,225 = \dots\dots\dots$



LESSON 10

Word problems on
addition and subtraction

- 1** The following table shows borrowing books from the library during the month of September.

Grade	P1	P2	P3	P4	P5
Books Borrowed	435	317	278	107	239

Answer the following questions :

- a** How many books did students borrow from P1 and P2 grades together?
-
-
- b** How many books did students borrow from P3 , P4 and P5 grades together?
-
-
- c** How many more books have students borrowed from P5 grade than P4 grade?
-
-
- d** Which class borrowed the largest number of books?
-
-

- 2** Amirs' family is saving to buy a new TV. The TV costs 4 590 LE on sale. They have saved 2 410 LE so far.
How much more money do they need to buy the TV?
-
-

- 3** Omar just moved to the city. He found an apartment to rent for 3,340 LE per month. Electricity and gas will cost him 692 LE per month.
How much money will it cost him each month to live?
-
-

If Omar had 5,000 LE to spend each month,
how much money does he have left after he pays for rent,
electricity and gas?

.....

.....

- 4** Mr. Mahmoud raises chickens. In the past two years, his chickens have laid 5,350 eggs. Last year his chickens laid 2,120 eggs.
How many eggs did his chickens lay two years ago?
-
-

- 1** The table below shows the number of students in each grade in a school . Use this information to answer the questions below.

Grade	P1	P2	P3	P4	P5
Number of students	354	371	478	203	139

Answer the following questions :

- a** How many students are P1 and P4 all together?

- b** How many students are in P3 and P4 all together?

- c** How many more students in the P3 grade than in the P2 grade?

- d** What is the class with the largest number of students?

- e** Which class has the fewest students?

- 2** The following table shows the length of some of the worlds' longest rivers.
Use the information to answer the questions below.

River	Approximate length in Km
Nile	About 6 650 km
Amazon	About 6 400 km
Mississippi	About 3 775 km
Euphrates	About 2 800 km

- a** What is the longest river?
.....
- b** What is the shortest river?
.....
- c** What is the total length of the Mississippi River and the Amazon river together?
.....
.....
- d** What is the total length of the Euphrates River and the Nile river together?
.....
.....
- e** How many more kilometers is the Nile than the Euphrates?
.....
.....

3 Read each story problem and decide on a strategy to solve it.

- a** Amir's family is saving to buy a new TV. The TV costs 5 940 LE on sale. They have saved 4 210 LE so far.
How much more money do they need to buy the TV?
-
-

- b** Mr. Mahmoud raises chickens. In the past two years, his chickens have laid 5,350 eggs. Last year his chickens laid 2,120 eggs.
How many eggs did his chickens lay two years ago?
-
-

- c** Mr. Mahmoud also raises sheep. One day he took 235 sheep out to graze on a hill.
Later, his neighbor brought his sheep to the hillside to graze. Now there are 680 sheep on the hill.
How many sheep did the neighbor bring to the hillside?
-
-

- d** The library can hold 2,475 books, but 525 books are out on loan and 137 books are missing.
How many books are there in the library right now?
-
-
-

- e** Omar just moved to the city. He found an apartment to rent for 3,340 LE per month. Electricity and gas will cost him 692 LE per month.

How much money will it cost him each month to live?

.....

.....

If Omar had 5,000 LE to spend each month, how much money does he have left after he pays for rent, electricity and gas?

.....

.....

- f** Three boxes filled with books were just delivered to the library. If each box is filled with 215 books, how many books were delivered?

.....

.....

- g** A number has 5 Thousands, 7 Hundreds, 6 Tens, and 4 Ones. What number is it?

.....

- h** A number has 12 Hundreds, 15 Tens, and 6 ones. What number is it?

.....

4 Complete the following :

- 1) Twenty five thousand, six hundred and eleven =
(Standard form)
- 2) 700 618 (Word form) :
- 3) $700\ 000 + 70\ 000 + 5\ 000 + 800 + 50 + 3 = \dots$
- 4) 98 thousand + 6 ones + 5 tens + 7 hundreds =
- 5) $70 + 0 + 0 + 4 = \dots$
- 6) $7\ 856 = \dots + \dots + \dots + \dots$
- 7) $552\ 159 = \dots \text{ tens} + \dots \text{ thousands} + \dots \text{ ones} + \dots \text{ hundreds}$
- 8) The number that comes right after 36 299 is
- 9) The number 700 250 comes right after
- 10) The number comes right after 899 999.
- 11) The number that comes right before 75 000 is
- 12) The number 3 156 comes right before
- 13) The number comes right before 15 200.
- 14) The place value of the digit 5 in the number 224 569
is
- 15) The place value of the digit 7 in the number 789 895
is
- 16) The value of the digit 7 in the number 79 159 is
- 17) The value of the digit 2 in the number 8 128 is
- 18) The largest 5-digit number is
- 19) The smallest 6-digit number is
- 20) The largest and the smallest number formed from the
digits (7 , 2 , 0 , 6 and 3) are and

5 Choose the correct answer :

- 1) Seventy thousand and seventy =
(70 070 or 70 017 or 77 000)
- 2) $5 + 20 + 400 + 7\,000 = \dots\dots\dots$ (5 247 or 70 425 or 7 425)
- 3) 70 100 comes right after (79 999 or 70 099 or 70 101)
- 4)comes right before 2 000 (1 999 or 2 001 or 1 099)
- 5) 20 thousand + 75 tens = (2 075 or 20 075 or 20 750)
- 6) 600 hundreds = (60 000 or 6 000 or 600 000)
- 7) 8 000 tens =hundreds (800 or 8 000 or 80 000)
- 8) 30 000 =hundreds (30 or 300 or 3 000)
- 9) The largest 5 - different - digit number is
(98 765 or 99 999 or 10 234)
- 10) The smallest 6 - different - digit number is
(100 000 or 123 456 or 10 2345)
- 11) The largest 5 - same - digit number is
(99 999 or 98 756 or 9 999)
- 12) The smallest 4 - same - digit number is
(1 000 or 11 111 or 1 111)
- 13) The value of the digit 3 in the numbr 5 389 is
(3 000 or 300 or 30)
- 14) The value of the digit 8 in the number 877 624 is
(800 000 or 8 000 or 800)
- 15) The place-value of the digit 9 in the number 9 247 is
(Hundreds or Thousands or Ten-thousands)
- 16) The place-value of the digit 2 in the number 523 560 is
(Hundreds or Thousands or Ten-thousands)

6 Use the following digits to find : (3 , 5 , 0 , 4 , 7)

The largest number :

The smallest number :

7 Use the following digits to find : (8 , 5 , 4)

The largest 6-digit number :

The smallest 6-digit number :

8 Complete using < , = or > :

255 458 667 102 45 000 + 45 45 450

15 5 258 155 528 20 hundreds 2 000

50 502 50 205 3 + 500 + 2000 3 520

45 thousands + 5 hundreds + 31 tens 45 810

The smallest 5-different-digit number 12 345

Ninety thousand and nine 900 009

9 Match:

30 thousands + 24 hundreds

3 000 + 200 + 40

30 000 + 24

Three thousand and twenty four

320 thousand , 40

3 240

3 024

32 400

320 040



30 024



First Choose the correct answer

- a** The smallest 6-different-digit number is =
(100 000 or 123456 or 102345)
- b** Three hundred three thousand , three hundred and three
=
(303 303 or 300 033 or 330 303)
- c** the value of the digit 0 in the number 350 567 is
(10 000 or 1000 or 0)
- d** the number that comes right after 209 999 is
(300 000 or 209 998 or 210 000)
- e** 25 thousands + 6 ones + 7 hundreds + 9 tens =
(25 679 or 25 796 or 25 769)

Second Complete the following

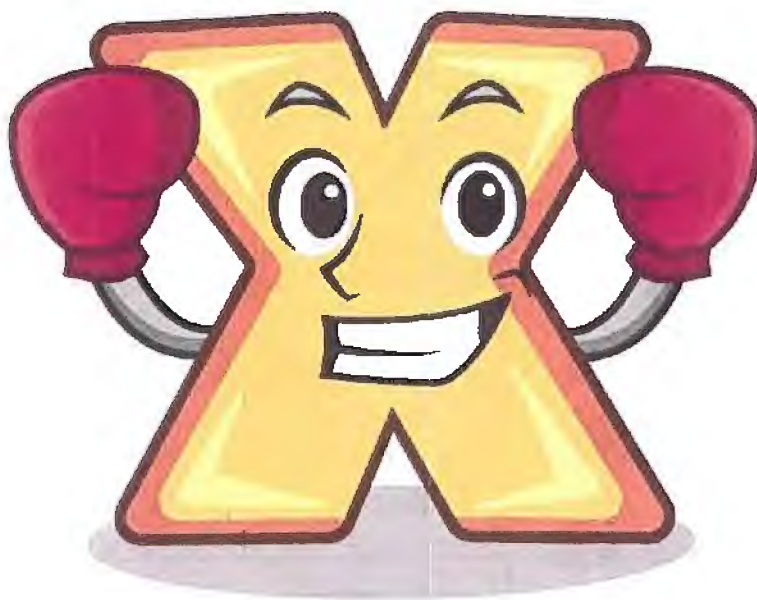
- a** The greatest 6-digit number formed from the digits
(3 , 5 and 7) is =
- b** $250\,250 = 250 + \dots\dots\dots$
- c** The place value of 0 in the number 405 612 is
- d** 8 tens + 502 thousands + 7 ones + 2 hundreds =
- e**  ,  , ,

Third Answer the following

- a** Find the result :
(1) $456 + 643 = \dots\dots\dots$ (2) $4\,020 - 129 = \dots\dots\dots$
- b** Arrange the following numbers in an ascending order .
10 000 , 999 , 50 000 , 200 , 6 000
..... , , , ,
- c** Mona has LE 545 and Nada has LE 235 .
How much money do they have altogether ?
The have = + = LE

CHAPTER

THREE

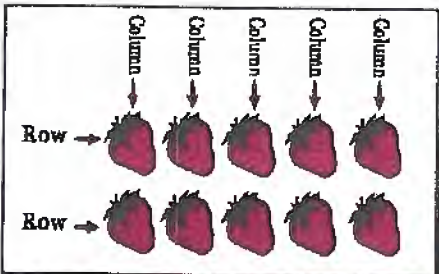


MULTIPLICATION

LESSON 1

The Arrays

Example



Row →

Column ↓

Row →

Column ↓

Times

2 Rows → $5 + 5 = 10$ This is 5 **X** 2 array

5 Columns → $2 + 2 + 2 + 2 + 2 = 10$ This is 2 **X** 5 array

1 Complete the following arrays

a



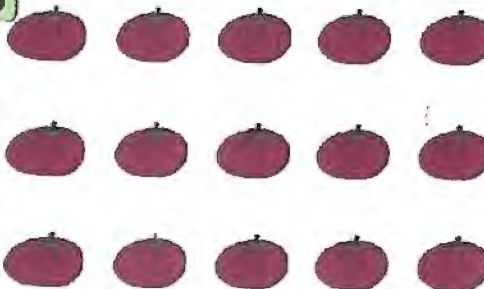
... Rows : =

This is **X** array

... Columns : =

This is **X** array

b



... Rows : =

This is **X** array

... Columns : =

This is **X** array

c



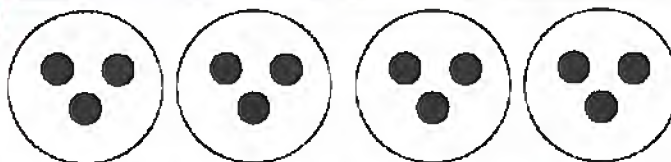
... Rows : =

This is **X** array

... Columns : =

This is **X** array

Example

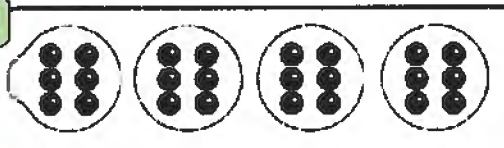


Repeated addition : $3 + 3 + 3 + 3 = 12$

Multiplication : $3 \times 4 = 12$

2 Complete as in the example :

a



Repeated addition : $\dots + \dots + \dots + \dots = \dots$

Multiplication : $\dots \times \dots = \dots$

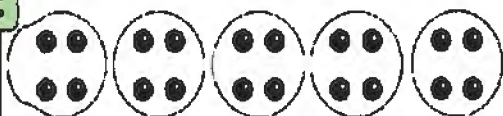
b



Repeated addition : $\dots + \dots + \dots = \dots$

Multiplication : $\dots \times \dots = \dots$

c



Repeated addition : $\dots = \dots$

Multiplication : $\dots \times \dots = \dots$

3 Complete as in the example :

EX $5 + 5 + 5 + 5 + 5 + 5 = 30$ so, $5 \times 6 = 30$ and $6 \times 5 = 30$

a $3 + 3 + 3 + 3 + 3 + 3 = \dots$ so, $\dots \times \dots = \dots$ and $\dots \times \dots = \dots$

b $4 + 4 + 4 + 4 + 4 = \dots$ so, $\dots \times \dots = \dots$ and $\dots \times \dots = \dots$

c $6 + 6 + 6 = \dots$ so, $\dots \times \dots = \dots$ and $\dots \times \dots = \dots$

d $2 + 2 + 2 + 2 = \dots$ so, $\dots \times \dots = \dots$ and $\dots \times \dots = \dots$

e $7 \times 4 = \dots + \dots + \dots + \dots + \dots + \dots + \dots$

f $7 \times 4 = \dots + \dots + \dots + \dots$

g $5 \times 8 = \dots + \dots + \dots + \dots + \dots$

h $3 \times 6 = \dots + \dots + \dots + \dots + \dots + \dots$

1 Complete the following arrays

a



Rows : =

This is **X** array

Columns : =

This is **X** array

b



Rows : =

This is **X** array

Columns : =

This is **X** array

c



Rows : =

This is **X** array

Columns : =

This is **X** array

d



Rows : =

This is **X** array

Columns : =

This is **X** array

e



Rows : =

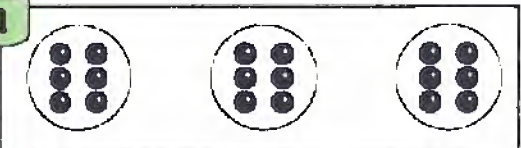
This is **X** array

Columns : =

This is **X** array

2 Complete :

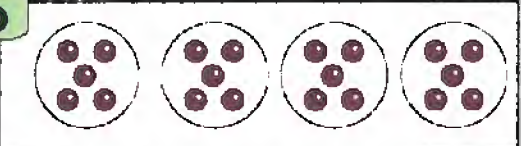
a



Repeated addition : + + =

Multiplication : X =

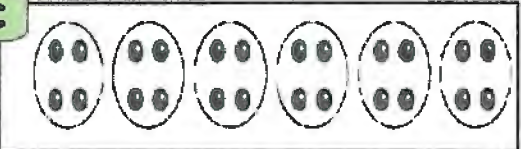
b



Repeated addition : + + + =

Multiplication : X =


c



Repeated addition : =

Multiplication : X =


d



Repeated addition : =

Multiplication : X =


e



Repeated addition : =

Multiplication : X =

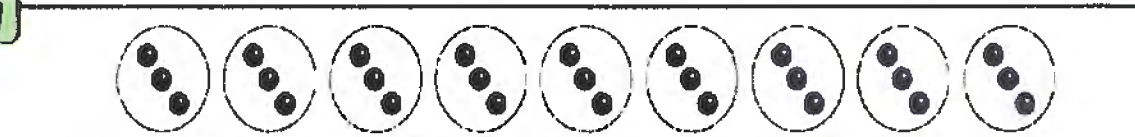
f



Repeated addition : =

Multiplication : X =

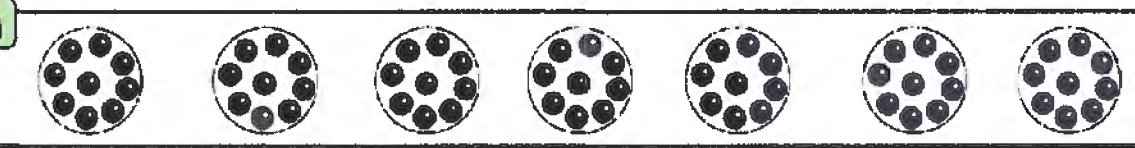
g



Repeated addition : =

Multiplication : X =

h



Repeated addition : =

Multiplication : X =

3 Complete :

a $5 + 5 + 5 + 5 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

b $4 + 4 + 4 + 4 + 4 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

c $6 + 6 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

d $2 + 2 + 2 + 2 + 2 + 2 = \dots\dots$
so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

e $3 + 3 + 3 + 3 + 3 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

f $5 + 5 + 5 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

g $1 + 1 + 1 + 1 + 1 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

h $7 + 7 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

i $8 + 8 + 8 = \dots\dots$ so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

j $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = \dots\dots$
so, $\dots X \dots = \dots\dots$ and $\dots X \dots = \dots\dots$

k $5 \times 4 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

l $6 \times 2 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

m $8 \times 3 = \dots\dots + \dots\dots + \dots\dots$

n $6 \times 5 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

o $6 \times 5 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

p $4 \times 7 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

q $4 \times 7 = \dots\dots + \dots\dots + \dots\dots + \dots\dots$

r $5 \times 5 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$

First Choose the correct answer

- a** The value of the digit 4 in the number 524 368 =
(4 000 or 40 000 or 400)
- b** $6 + 6 + 6 + 6 = \dots\dots\dots$ (6×6 or 6×4 or $6 + 4$)
- c** $500 + 0 + 0 + 5 = \dots\dots$ (500 005 or 50 005 or 505)
- d** $3 \times 4 = \dots\dots\dots$ ($3 + 3 + 3$ or $4 + 4 + 4$ or $3 + 4$)
- e** The number that comes right before 301 000 is
(300 000 or 301 001 or 300 999)

Second Complete the following

- a** 15 tens + 120 hundreds =
- b** $7 \times 3 = \dots + \dots + \dots$
- c** $4 + 4 + 4 + 4 + 4 + 4 + 4 = \dots \times \dots = \dots\dots$
- d** The smallest 5 - different - digit numberr is
- e** 2, 4, 6, 8, 10,,,,

Third Answer the following

- a** Find the result :
- (1) $456 + 218 = \dots\dots\dots$ (2) $4\,208 - 258 = \dots\dots\dots$
-
- b** Arrange the following numbers in a descending order .
45 125 , 45 021 , 45 521 , 45 012 , 45 512
.....,,,,
-
- c** The school band is getting ready for a concert.They practiced 115 minutes on Monday and 125 minutes on Tuesday.
How many minutes did the band practice on both days?
.....

1 USE THE 120 CHART

Color the multiples of 2 and the multiples of 3 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 2 :

.....

b List the first 10 multiples of 3 :

.....

c List all of the multiples you found that 2 and 3 share :

.....

2 Complete the following :

a		b	
$2 \times 0 = \dots$	$2 \times 6 = \dots$	$3 \times 0 = \dots$	$3 \times 6 = \dots$
$2 \times 1 = \dots$	$2 \times 7 = \dots$	$3 \times 1 = \dots$	$3 \times 7 = \dots$
$2 \times 2 = \dots$	$2 \times 8 = \dots$	$3 \times 2 = \dots$	$3 \times 8 = \dots$
$2 \times 3 = \dots$	$2 \times 9 = \dots$	$3 \times 3 = \dots$	$3 \times 9 = \dots$
$2 \times 4 = \dots$	$2 \times 10 = \dots$	$3 \times 4 = \dots$	$3 \times 10 = \dots$
$2 \times 5 = \dots$		$3 \times 5 = \dots$	

3 Complete the following :

a $\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	b $\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	c $\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	d $\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$
$\dots\dots\dots$	$\dots\dots\dots$	$\dots\dots\dots$	$\dots\dots\dots$
e $\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$	f $\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$	g $\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$	h $\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$
$\dots\dots\dots$	$\dots\dots\dots$	$\dots\dots\dots$	$\dots\dots\dots$

4 Complete the following :

a $2 \times \dots = 12$	b $4 \times \dots = 12$	c $7 \times \dots = 21$
d $\dots \times 9 = 18$	e $\dots \times 7 = 14$	f $\dots \times 3 = 9$
g $9 + 9 = \dots \times \dots = \dots$	h $8 + 8 + 8 = \dots \times \dots = \dots$	
i $7 + 7 + 7 = \dots \times \dots = \dots$	j $10 + 10 = \dots \times \dots = \dots$	
k $24 = \dots + \dots + \dots = \dots \times \dots$	l $18 = \dots + \dots = \dots \times \dots$	



1 Complete the multiplication table:

$2 \times 0 = \dots\dots$	$2 \times 1 = \dots\dots$	$3 \times 0 = \dots\dots$	$3 \times 1 = \dots\dots$
$2 \times 1 = \dots\dots$	$2 \times 3 = \dots\dots$	$3 \times 1 = \dots\dots$	$3 \times 3 = \dots\dots$
$2 \times 2 = \dots\dots$	$2 \times 5 = \dots\dots$	$3 \times 2 = \dots\dots$	$3 \times 5 = \dots\dots$
$2 \times 3 = \dots\dots$	$2 \times 7 = \dots\dots$	$3 \times 3 = \dots\dots$	$3 \times 7 = \dots\dots$
$2 \times 4 = \dots\dots$	$2 \times 9 = \dots\dots$	$3 \times 4 = \dots\dots$	$3 \times 9 = \dots\dots$
$2 \times 5 = \dots\dots$	$2 \times 10 = \dots\dots$	$3 \times 5 = \dots\dots$	$3 \times 10 = \dots\dots$
$2 \times 6 = \dots\dots$	$2 \times 8 = \dots\dots$	$3 \times 6 = \dots\dots$	$3 \times 8 = \dots\dots$
$2 \times 7 = \dots\dots$	$2 \times 6 = \dots\dots$	$3 \times 7 = \dots\dots$	$3 \times 6 = \dots\dots$
$2 \times 8 = \dots\dots$	$2 \times 4 = \dots\dots$	$3 \times 8 = \dots\dots$	$3 \times 4 = \dots\dots$
$2 \times 9 = \dots\dots$	$2 \times 2 = \dots\dots$	$3 \times 9 = \dots\dots$	$3 \times 2 = \dots\dots$
$2 \times 10 = \dots\dots$	$2 \times 0 = \dots\dots$	$3 \times 10 = \dots\dots$	$3 \times 0 = \dots\dots$

2 Complete:

$2 \times \dots = 2$	$2 \times \dots = 0$	$3 \times \dots = 3$	$3 \times \dots = 0$
$2 \times \dots = 20$	$2 \times \dots = 8$	$3 \times \dots = 21$	$3 \times \dots = 9$
$2 \times \dots = 4$	$2 \times \dots = 16$	$3 \times \dots = 6$	$3 \times \dots = 18$
$2 \times \dots = 18$	$2 \times \dots = 2$	$3 \times \dots = 30$	$3 \times \dots = 27$
$2 \times \dots = 6$	$2 \times \dots = 10$	$3 \times \dots = 9$	$3 \times \dots = 3$
$2 \times \dots = 16$	$2 \times \dots = 18$	$3 \times \dots = 27$	$3 \times \dots = 12$
$2 \times \dots = 8$	$2 \times \dots = 4$	$3 \times \dots = 12$	$3 \times \dots = 21$
$2 \times \dots = 14$	$2 \times \dots = 12$	$3 \times \dots = 24$	$3 \times \dots = 30$
$2 \times \dots = 10$	$2 \times \dots = 20$	$3 \times \dots = 15$	$3 \times \dots = 6$
$2 \times \dots = 0$	$2 \times \dots = 6$	$3 \times \dots = 0$	$3 \times \dots = 15$
$2 \times \dots = 12$	$2 \times \dots = 14$	$3 \times \dots = 18$	$3 \times \dots = 24$

3 Complete:

$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$

4 Match :

2×0

2×3

2×6

2×9

3×2

3×6

3×0

3×4

5 Complete :

a $5 + 5 = \dots \times \dots = \dots$ **e** $4 + 4 + 4 = \dots \times \dots = \dots$

b $6 + 6 = \dots \times \dots = \dots$ **f** $7 + 7 + 7 = \dots \times \dots = \dots$

c $8 + 8 = \dots \times \dots = \dots$ **g** $9 + 9 + 9 = \dots \times \dots = \dots$

d $3 + 3 = \dots \times \dots = \dots$ **h** $2 + 2 + 2 = \dots \times \dots = \dots$

6 Use the 120 char , to find :

a List the first 20 multiples of 2 :

.....

b List the first 20 multiples of 3 :

.....

c List the common multiples of 2 and 3

.....

7 Choose the correct answer :

a $3 + 3 + 3 + 3 = \dots\dots\dots$ (3×3 or 4×4 or 2×6)

b $6 + 6 = \dots\dots\dots$ (6×6 or 3×4 or 2×2)

c $5 + 5 + 5 + 5 = \dots\dots\dots$ (5×4 or $5 + 4$ or 5×5)

d $8 + 8 + 8 = \dots\dots\dots$ ($3 + 8$ or $12 + 12$ or 8×8)

e $4 \times 4 = \dots\dots\dots$ ($8 + 8$ or 4×6 or 6×6)

f $4 + 6 = \dots\dots\dots$ ($2 + 5$ or 10×2 or 2×5)

g $4 \times 2 = \dots\dots\dots$ (4×4 or $4 + 4$ or $2 + 2$)

h $9 + 9 = \dots\dots\dots$ ($3 \times 3 \times 3$ or $6 + 6$ or 6×3)

First Choose the correct answer

- a** Two hundred thousand , two hundred and twenty =
(200 020 or 2 220 or 200 220)
- b** $2 + 2 + 2 + 2 + 2 + 2 = \dots$ (2×5 or 3×4 or $2 + 6$)
- c** 500 hundreds = tens (5 000 or 50 000 or 500 000)
- d** $8 \times 2 = \dots$ ($8 + 2$ or $8 + 8$ or $4 + 4$)
- e** The number that comes right after 200 999 is
(300 999 or 201 000 or 201 999)

Second Complete the following

- a** The smallest 5-different- digit number is
- b** $8 + 8 + 8 = 8 \times \dots = \dots$
- c** $4 \times 3 = \dots + \dots = \dots$
- d** The place value of the digit 3 in the number 356 202 is
- e** 405 hundreds + 120 tens + 3 ones =

Third Answer the following

- a** Use the number line strategy to find

(1) $432 + 145 = \dots$

(2) $428 - 215 = \dots$

- b** Arrange the following numbers in an ascending order .

180 000 , 108 000 , 810 000 , 801 000 , 118 000

..... , , , ,

- c** list the first 5 multiples of the number 3 :

.....

LESSON 3

The Multiplication table (4 & 5)

1 USE THE 120 CHART

Color the multiples of 4 and the multiples of 5 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 4 :

..... , , , ,

..... , , , ,

b List the first 10 multiples of 5 :

..... , , , ,

..... , , , ,

c List all of the multiples you found that 4 and 5 share :

.....

.....

2 Complete the following :

a		b	
4 X 0 =	4 X 6 =	5 X 0 =	5 X 6 =
4 X 1 =	4 X 7 =	5 X 1 =	5 X 7 =
4 X 2 =	4 X 8 =	5 X 2 =	5 X 8 =
4 X 3 =	4 X 9 =	5 X 3 =	5 X 9 =
4 X 4 =	4 X 10 =	5 X 4 =	5 X 10 =
4 X 5 =		5 X 5 =	

3 Complete the following :

a 5 X 8	b 5 X 5	c 4 X 7	d 4 X 9
e 6 X 5	f 9 X 5	g 4 X 4	h 4 X 5

4 Complete the following :

a 5 X = 40	b 4 X = 40	c 8 X = 32
d X 6 = 24	e x 7 = 35	f X 9 = 36
g 5 + 5 = X =	h 4 + 4 + 4 = X =	
i 1 + 1 + 1 + 1 = ... X ... =	j 8 + 8 + 8 = 4 X =	
k 30 = + + = 5 X	l 28 = ... + + + = X	



1 Complete the multiplication table:

$4 \times 0 = \dots\dots$	$4 \times 1 = \dots\dots$	$5 \times 0 = \dots\dots$	$5 \times 1 = \dots\dots$
$4 \times 1 = \dots\dots$	$4 \times 3 = \dots\dots$	$5 \times 1 = \dots\dots$	$5 \times 3 = \dots\dots$
$4 \times 2 = \dots\dots$	$4 \times 5 = \dots\dots$	$5 \times 2 = \dots\dots$	$5 \times 5 = \dots\dots$
$4 \times 3 = \dots\dots$	$4 \times 7 = \dots\dots$	$5 \times 3 = \dots\dots$	$5 \times 7 = \dots\dots$
$4 \times 4 = \dots\dots$	$4 \times 9 = \dots\dots$	$5 \times 4 = \dots\dots$	$5 \times 9 = \dots\dots$
$4 \times 5 = \dots\dots$	$4 \times 10 = \dots\dots$	$5 \times 5 = \dots\dots$	$5 \times 10 = \dots\dots$
$4 \times 6 = \dots\dots$	$4 \times 8 = \dots\dots$	$5 \times 6 = \dots\dots$	$5 \times 8 = \dots\dots$
$4 \times 7 = \dots\dots$	$4 \times 6 = \dots\dots$	$5 \times 7 = \dots\dots$	$5 \times 6 = \dots\dots$
$4 \times 8 = \dots\dots$	$4 \times 4 = \dots\dots$	$5 \times 8 = \dots\dots$	$5 \times 4 = \dots\dots$
$4 \times 9 = \dots\dots$	$4 \times 2 = \dots\dots$	$5 \times 9 = \dots\dots$	$5 \times 2 = \dots\dots$
$4 \times 10 = \dots\dots$	$4 \times 0 = \dots\dots$	$5 \times 10 = \dots\dots$	$5 \times 0 = \dots\dots$

2 Complete:

$4 \times \dots = 2$	$4 \times \dots = 0$	$5 \times \dots = 3$	$5 \times \dots = 0$
$4 \times \dots = 20$	$4 \times \dots = 8$	$5 \times \dots = 21$	$5 \times \dots = 9$
$4 \times \dots = 4$	$4 \times \dots = 16$	$5 \times \dots = 6$	$5 \times \dots = 18$
$4 \times \dots = 18$	$4 \times \dots = 2$	$5 \times \dots = 30$	$5 \times \dots = 27$
$4 \times \dots = 6$	$4 \times \dots = 10$	$5 \times \dots = 9$	$5 \times \dots = 3$
$4 \times \dots = 16$	$4 \times \dots = 18$	$5 \times \dots = 27$	$5 \times \dots = 12$
$4 \times \dots = 8$	$4 \times \dots = 4$	$5 \times \dots = 12$	$5 \times \dots = 21$
$4 \times \dots = 14$	$4 \times \dots = 12$	$5 \times \dots = 24$	$5 \times \dots = 30$
$4 \times \dots = 10$	$4 \times \dots = 20$	$5 \times \dots = 15$	$5 \times \dots = 6$
$4 \times \dots = 0$	$4 \times \dots = 6$	$5 \times \dots = 0$	$5 \times \dots = 15$
$4 \times \dots = 12$	$4 \times \dots = 14$	$5 \times \dots = 18$	$5 \times \dots = 24$

3 Complete:

$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 1 \\ \hline \end{array}$
$\begin{array}{r} \dots \\ \times 5 \\ \hline 30 \end{array}$	$\begin{array}{r} 4 \\ \times \dots \\ \hline 36 \end{array}$	$\begin{array}{r} 4 \\ \times \dots \\ \hline 20 \end{array}$	$\begin{array}{r} \dots \\ \times 5 \\ \hline 20 \end{array}$	$\begin{array}{r} 5 \\ \times \dots \\ \hline 35 \end{array}$
$\begin{array}{r} 5 \\ \times \dots \\ \hline 15 \end{array}$	$\begin{array}{r} \dots \\ \times 4 \\ \hline 40 \end{array}$	$\begin{array}{r} 5 \\ \times \dots \\ \hline 45 \end{array}$	$\begin{array}{r} \dots \\ \times 4 \\ \hline 28 \end{array}$	$\begin{array}{r} \dots \\ \times 5 \\ \hline 0 \end{array}$

4 Match :

$4 + 4 + 4 + 4$

$8 + 8 + 8$

$6 + 6 + 6$

$10 + 10 + 10$

$9 + 9$

2×8

5×6

4×6

5 Complete :

a $4 + 4 + 4 + 4 + 4 = \dots \times \dots = \dots$

b $5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = \dots \times \dots = \dots$

c $5 \times 6 = \dots + \dots + \dots = \dots$

d $3 \times 4 = \dots + \dots = \dots$

e $8 + 8 + 8 + 8 + 8 = 4 \times \dots = \dots$

f $4 + 4 + 4 + 4 = 2 \times \dots = \dots$

g $5 \times 4 = 2 \times \dots = \dots$

h $4 \times 6 = 3 \times \dots = \dots$

6 Use the 120 char , to find :

a List the first 20 multiples of 4 :

.....,,,,,,,,,,
,,,,,,,,,

b List the first 20 multiples of 5 :

.....,,,,,,,,,,
,,,,,,,,,

c List the common multiples of 4 and 5 up to 50 :

.....

d List the common multiple of 2 , 3 and 4 up to 40 :

.....

7 Choose the correct answer :

a $5 + 5 + 5 + 5 = \dots\dots$ (5×5 or 4×4 or 5×4)

b $8 + 8 + 8 = \dots\dots$ (8×3 or $8 + 3$ or 8×8)

c $6 + 6 + 6 + 6 = \dots\dots$ (6×4 or 6×6 or $6 + 4$)

d $8 \times 2 = \dots\dots$ ($8 + 2$ or $8 + 8$ or 8×8)

e $9 + 9 = \dots\dots$ (9×9 or 9×2 or 6×3)

f $6 + 6 = \dots\dots$ (6×2 or 6×6 or $6 + 2$)

g $4 \times 4 = \dots\dots$ (8×2 or 1×6 or 3×5)

h 2×5 3×3 ($<$ or $=$ or $>$)

i $5 + 5 + 5$ 4×4 ($<$ or $=$ or $>$)

j $8 + 8 + 8$ 6×4 ($<$ or $=$ or $>$)

k $9 + 9 + 9$ 7×4 ($<$ or $=$ or $>$)

l $5 \times 6 = 3 \times \dots\dots$ (5 or 10 or 6)

m $8 + 8 + 8 + 8 + 8 = 4 \times \dots\dots$ (8 or 5 or 10)

n $6 + 6 + 6 + 6 = 3 \times \dots\dots$ (8 or 6 or 4)



First Choose the correct answer

- a** The smallest 5-digit-number formed from the digits (2 and 5)
is (22 225 or 20 005 or 22 255)
- b** $8 \times 5 = \dots\dots\dots$ (5 + 8 or 4×10 or $40 + 40$)
- c** $6 + 6 + 6 = \dots\dots\dots$ (6 + 3 or 6×6 or 9×2)
- d** The number that comes right after 49 099 is
(50 000 or 49 100 or 50 100)
- e** $3 \times 8 = \dots\dots\dots$ (3 + 3 + 3 or $8 + 8 + 8 + 8$ or $6 + 6 + 6 + 6$)

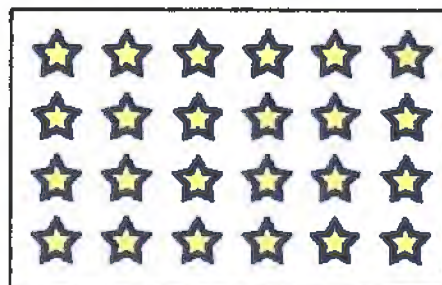
Second Complete the following

- a** 700 tens + 500 hundreds + 200 ones =
- b** The place-value of the digit 5 in the number 824 568 is
- c** $2 + 2 + 2 + 2 + 2 + 2 = 4 \times \dots\dots\dots$
- d** $5 \times 8 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- e** $200\ 000 + 5\ 000 + 20 = \dots\dots\dots$

Third Answer the following

- a** Find the result :
(1) $8\ 532 + 143 = \dots\dots\dots$ (2) $8\ 562 - 157 = \dots\dots\dots$

- b** In the opposite array :
The number of rows =
The number of columns =
so, \times =



- c** The sum of two numbers is 275. One of the numbers is 149.
What is the other number?
-

LESSON 4

The Multiplication table (6 & 7)

1 USE THE 120 CHART

Color the multiples of 6 and the multiples of 7 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 6 :

..... , , , ,
 , , , ,

b List the first 10 multiples of 7 :

..... , , , ,
 , , , ,

c List the common multiples of 4 and 6 up to 60 :

.....

2 Complete the following :

a

$6 \times 0 = \dots\dots$	$6 \times 6 = \dots\dots$
$6 \times 1 = \dots\dots$	$6 \times 7 = \dots\dots$
$6 \times 2 = \dots\dots$	$6 \times 8 = \dots\dots$
$6 \times 3 = \dots\dots$	$6 \times 9 = \dots\dots$
$6 \times 4 = \dots\dots$	$6 \times 10 = \dots\dots$
$6 \times 5 = \dots\dots$	

b

$7 \times 0 = \dots\dots$	$7 \times 6 = \dots\dots$
$7 \times 1 = \dots\dots$	$7 \times 7 = \dots\dots$
$7 \times 2 = \dots\dots$	$7 \times 8 = \dots\dots$
$7 \times 3 = \dots\dots$	$7 \times 9 = \dots\dots$
$7 \times 4 = \dots\dots$	$7 \times 10 = \dots\dots$
$7 \times 5 = \dots\dots$	

3 Complete the following :

$\begin{array}{r} 7 \\ \times 8 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline \dots\dots \end{array}$
$\begin{array}{r} 6 \\ \times 7 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \dots\dots \end{array}$
$\begin{array}{r} 6 \\ \times \dots\dots \\ \hline 12 \end{array}$	$\begin{array}{r} 7 \\ \times \dots\dots \\ \hline 49 \end{array}$	$\begin{array}{r} 6 \\ \times \dots\dots \\ \hline 18 \end{array}$	$\begin{array}{r} 7 \\ \times \dots\dots \\ \hline 14 \end{array}$
$\begin{array}{r} 6 \\ \times \dots\dots \\ \hline 30 \end{array}$	$\begin{array}{r} 7 \\ \times \dots\dots \\ \hline 21 \end{array}$	$\begin{array}{r} 6 \\ \times \dots\dots \\ \hline 12 \end{array}$	$\begin{array}{r} 7 \\ \times \dots\dots \\ \hline 35 \end{array}$

4 Complete in the same pattern :

a 0, 2, 4, 6, 8,,,,,

b 0, 4, 8, 12, 16,,,,,

c 0, 6, 12, 18, 24,,,,,

d 0, 7, 14, 21, 28,,,,,

5 Complete :

a $7 + 7 + 7 + 7 = \dots \times \dots = \dots$

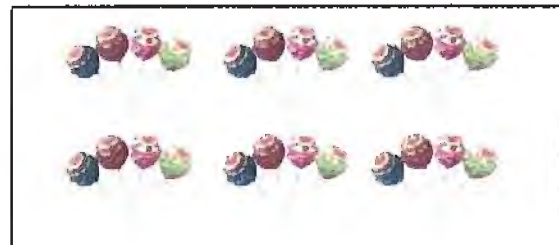
b $8 + 8 + 8 + 8 + 8 + 8 = \dots \times \dots = \dots$

c $8 \times 7 = 7 \times \dots = \dots$

d $9 + 9 + 9 + 9 = \dots \times 6 = \dots$

e $5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 = 8 \times \dots = \dots$

6 Mr. Sameh gave 4 lollipops to each of his 8 students.
How many lollipops did Mr. Sameh have at first?



$\dots \times \dots = \dots$

7 How many eggs are there in the opposit carton?



$\dots \times \dots = \dots$



1 Complete the multiplication table:

$6 \times 0 = \dots\dots$	$6 \times 1 = \dots\dots$	$7 \times 0 = \dots\dots$	$7 \times 1 = \dots\dots$
$6 \times 1 = \dots\dots$	$6 \times 3 = \dots\dots$	$7 \times 1 = \dots\dots$	$7 \times 3 = \dots\dots$
$6 \times 2 = \dots\dots$	$6 \times 5 = \dots\dots$	$7 \times 2 = \dots\dots$	$7 \times 5 = \dots\dots$
$6 \times 3 = \dots\dots$	$6 \times 7 = \dots\dots$	$7 \times 3 = \dots\dots$	$7 \times 7 = \dots\dots$
$6 \times 4 = \dots\dots$	$6 \times 9 = \dots\dots$	$7 \times 4 = \dots\dots$	$7 \times 9 = \dots\dots$
$6 \times 5 = \dots\dots$	$6 \times 10 = \dots\dots$	$7 \times 5 = \dots\dots$	$7 \times 10 = \dots\dots$
$6 \times 6 = \dots\dots$	$6 \times 8 = \dots\dots$	$7 \times 6 = \dots\dots$	$7 \times 8 = \dots\dots$
$6 \times 7 = \dots\dots$	$6 \times 6 = \dots\dots$	$7 \times 7 = \dots\dots$	$7 \times 6 = \dots\dots$
$6 \times 8 = \dots\dots$	$6 \times 4 = \dots\dots$	$7 \times 8 = \dots\dots$	$7 \times 4 = \dots\dots$
$6 \times 9 = \dots\dots$	$6 \times 2 = \dots\dots$	$7 \times 9 = \dots\dots$	$7 \times 2 = \dots\dots$
$6 \times 10 = \dots\dots$	$6 \times 0 = \dots\dots$	$7 \times 10 = \dots\dots$	$7 \times 0 = \dots\dots$

2 Complete:

$1 \times \dots = 6$	$0 \times \dots = 0$	$6 \times \dots = 6$	$7 \times \dots = 14$
$3 \times \dots = 18$	$1 \times \dots = 7$	$6 \times \dots = 18$	$7 \times \dots = 28$
$5 \times \dots = 30$	$2 \times \dots = 12$	$6 \times \dots = 30$	$7 \times \dots = 42$
$7 \times \dots = 42$	$3 \times \dots = 21$	$6 \times \dots = 42$	$7 \times \dots = 56$
$9 \times \dots = 54$	$4 \times \dots = 24$	$6 \times \dots = 54$	$7 \times \dots = 70$
$10 \times \dots = 70$	$5 \times \dots = 35$	$6 \times \dots = 63$	$7 \times \dots = 7$
$8 \times \dots = 56$	$6 \times \dots = 36$	$6 \times \dots = 0$	$7 \times \dots = 21$
$6 \times \dots = 42$	$7 \times \dots = 49$	$6 \times \dots = 12$	$7 \times \dots = 35$
$4 \times \dots = 28$	$8 \times \dots = 48$	$6 \times \dots = 24$	$7 \times \dots = 49$
$2 \times \dots = 14$	$9 \times \dots = 63$	$6 \times \dots = 36$	$7 \times \dots = 63$
$0 \times \dots = 0$	$10 \times \dots = 60$	$6 \times \dots = 48$	$7 \times \dots = 0$

3 Complete:

$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} \dots\dots\dots \\ \times 5 \\ \hline 35 \end{array}$	$\begin{array}{r} \dots\dots\dots \\ \times 8 \\ \hline 48 \end{array}$	$\begin{array}{r} \dots\dots\dots \\ \times 4 \\ \hline 36 \end{array}$	$\begin{array}{r} \dots\dots\dots \\ \times 3 \\ \hline 21 \end{array}$	$\begin{array}{r} \dots\dots\dots \\ \times 9 \\ \hline 72 \end{array}$
$\begin{array}{r} 7 \\ \times \dots\dots \\ \hline 70 \end{array}$	$\begin{array}{r} 8 \\ \times \dots\dots \\ \hline 56 \end{array}$	$\begin{array}{r} 10 \\ \times \dots\dots \\ \hline 60 \end{array}$	$\begin{array}{r} 6 \\ \times \dots\dots \\ \hline 36 \end{array}$	$\begin{array}{r} 5 \\ \times \dots\dots \\ \hline 40 \end{array}$
$\begin{array}{r} 5 \\ \times \dots\dots \\ \hline 30 \end{array}$	$\begin{array}{r} 4 \\ \times \dots\dots \\ \hline 24 \end{array}$	$\begin{array}{r} 2 \\ \times \dots\dots \\ \hline 17 \end{array}$	$\begin{array}{r} \dots\dots\dots \\ \times 8 \\ \hline 16 \end{array}$	$\begin{array}{r} \dots\dots\dots \\ \times 9 \\ \hline 27 \end{array}$

4 Match:

3 X 4	3 X 6	3 X 8	4 X 9	4 X 4
2 X 9	2 X 6	2 X 8	4 X 6	6 X 6

5 Complete :

a $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = \dots \times \dots = \dots$

b $5 + 5 + 5 + 5 + 5 + 5 + 5 = \dots \times \dots = \dots$

c $5 \times 8 = \dots + \dots + \dots + \dots + \dots = \dots$

d $4 \times 4 = \dots + \dots = \dots$

e $7 + 7 + 7 + 7 + 7 = 5 \times \dots = \dots$

f $4 + 4 + 4 + 4 = 2 \times \dots = \dots$

g $5 \times 8 = 4 \times \dots = \dots$

h $6 \times 6 = 4 \times \dots = \dots$

6 Use the 120 char , to find :

a List the first 20 multiples of 6 :

..... , , , , , , , ,
 , , , , , , , ,

b List the first 20 multiples of 7 :

..... , , , , , , , ,
 , , , , , , , ,

c List the common multiples of 6 and 5 up to 50 :

.....

d List the common multiple of 3 , 4 and 6 up to 60 :

.....

7 Choose the correct answer :

a $5+5+5+5+5+5=...$ (5×6 or 6×6 or 5×5)

b $8+8=.....$ (8×8 or $8+2$ or 4×4)

c $6+6+6+6=.....$ (3×6 or 3×8 or $6+4$)

d $8 \times 2=.....$ ($8+2$ or $8+8$ or 8×8)

e $9+9+9+9+9+9=....$ (9×9 or $9+6$ or 6×9)

f $6+6+6=.....$ (9×2 or 6×6 or $6+3$)

g $4 \times 4=.....$ (8×2 or 1×6 or 3×5)

h 5×5 3×8 ($<$ or $=$ or $>$)

i $5+5+5+5$ 3×7 ($<$ or $=$ or $>$)

j $8+8+8+8$ 9×4 ($<$ or $=$ or $>$)

k $9+9+9+9$ 9×4 ($<$ or $=$ or $>$)

l $5 \times 6=3 \times$ (5 or 10 or 6)

m $8+8+8=4 \times$ (8 or 6 or 10)

n $6+6+6=2 \times$ (9 or 6 or 4)

8 Complete in the same pattern :

a 0, 2, 4, 6, 8,,,,,

b 0, 3, 6, 9, 12,,,,,

c 0, 4, 8, 12, 16,,,,,

d 0, 5, 10, 15, 20,,,,,

e 0, 6, 12, 18, 24,,,,,

f 0, 7, 14, 21, 28,,,,,

9 Answer the following :

c On Samira's walk home she saw 6 cars.
If each car has 4 wheels,
how many wheels did she see in all?



..... X =

d Manal brought 6 bags of cookies to school. Each bag had 3 cookies in it.
How many cookies were there all together?



..... X =

e Malek runs 3 miles each day.
How many miles does he run in 7 days?



..... X =

f A bag of oranges holds 4 oranges.
How many oranges are in 8 bags?



..... X =

**First Choose the correct answer**

- a 560 thousands + 10 hundreds + 3 tens + 5 ones =
(560 135 or 561 035 or 56 135)
- b $6 + 6 + 6 + 6 + 6 + 6 = \dots\dots\dots$ ($6 + 6$ or 6×5 or 4×9)
- c $4 \times 6 = 3 \times \dots\dots\dots$ (6 or 8 or 9)
- d $450\,045 = 45 + \dots\dots\dots$ ($450\,000$ or $4\,500$ or 450)
- e The value of the digit 8 in the number 8 567 is
(80 000 or 800 000 or 8 000)

Second Complete the following

- a $9 + 9 + 9 + 9 + 9 = \dots\dots \times \dots\dots$
- b The greatest 4 - digit number is
- c The number that comes right before 500 100 is
- d $9 \times 2 = \dots\dots + \dots\dots$
- e ☆ □ , ☆ □ , ☆ □ , ,

Third Answer the following

- a Find the result :
(1) $7\,852 + 148 = \dots\dots\dots$ (2) $7\,005 - 155 = \dots\dots\dots$
- b Arrange the following numbers in a descending order .
 $15\,030$, $150\,003$, $15\,300$, $153\,000$, $15\,003$
..... , , , ,
- c It takes a rocket 7 seconds to travel one kilometer.
How many seconds will it take to travel 4 kilometers?
..... \times =
- d Each pack of pencils contains 8 pencils.
How many pencils are in 3 packs?
..... \times =

The Multiplication Table (8 & 9)

1 USE THE 120 CHART

Color the multiples of 8 and the multiples of 9 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the first 10 multiples of 8 :

..... , , , ,
 , , , ,

b List the first 10 multiples of 9 :

..... , , , ,
 , , , ,

c List the common multiples of 6 and 9 up to 90 :

.....

2 Complete the following :

a

$8 \times 0 = \dots\dots$	$8 \times 6 = \dots\dots$
$8 \times 1 = \dots\dots$	$8 \times 7 = \dots\dots$
$8 \times 2 = \dots\dots$	$8 \times 8 = \dots\dots$
$8 \times 3 = \dots\dots$	$8 \times 9 = \dots\dots$
$8 \times 4 = \dots\dots$	$8 \times 10 = \dots\dots$
$8 \times 5 = \dots\dots$	

b

$9 \times 0 = \dots\dots$	$9 \times 6 = \dots\dots$
$9 \times 1 = \dots\dots$	$9 \times 7 = \dots\dots$
$9 \times 2 = \dots\dots$	$9 \times 8 = \dots\dots$
$9 \times 3 = \dots\dots$	$9 \times 9 = \dots\dots$
$9 \times 4 = \dots\dots$	$9 \times 10 = \dots\dots$
$9 \times 5 = \dots\dots$	

3 Complete the following :

$\begin{array}{r} 2 \\ \times 2 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline \dots\dots \end{array}$
$\begin{array}{r} 2 \\ \times 3 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 2 \\ \times 7 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \dots\dots \end{array}$
$\begin{array}{r} 2 \\ \times 4 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \dots\dots \end{array}$
$\begin{array}{r} 3 \\ \times 3 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \dots\dots \end{array}$
$\begin{array}{r} 2 \\ \times 5 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \dots\dots \end{array}$
$\begin{array}{r} 3 \\ \times 4 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline \dots\dots \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \dots\dots \end{array}$

4 Complete in the same pattern :

a 30 , 27 , 24 , 21 , , , , ,

b 50 , 45 , 40 , 35 , , , , ,

c 70 , 63 , 56 , 49 , , , , ,

d 90 , 81 , 72 , 63 , , , , ,

5 Match each story problem to its multiplication equation.

Mariam had 4 sweaters.

a Each sweater had 3 buttons on it.
How many total buttons are there
on all the sweaters?

$$6 \times 6 = 36$$

Rana packed 6 boxes full of cans.

b Each box had 6 cans.
How many total cans did Rana pack?

$$3 \times 7 = 21$$

Amir hiked for 3 days over the
summer. Each day he hiked 7 mi es.
How many miles did he hike in all ?

$$4 \times 3 = 12$$

1 Complete the multiplication table:

8 X 0 =	8 X 1 =	9 X 0 =	9 X 1 =
8 X 1 =	8 X 3 =	9 X 1 =	9 X 3 =
8 X 2 =	8 X 5 =	9 X 2 =	9 X 5 =
8 X 3 =	8 X 7 =	9 X 3 =	9 X 7 =
8 X 4 =	8 X 9 =	9 X 4 =	9 X 9 =
8 X 5 =	8 X 10 =	9 X 5 =	9 X 10 =
8 X 6 =	8 X 8 =	9 X 6 =	9 X 8 =
8 X 7 =	8 X 6 =	9 X 7 =	9 X 6 =
8 X 8 =	8 X 4 =	9 X 8 =	9 X 4 =
8 X 9 =	8 X 2 =	9 X 9 =	9 X 2 =
8 X 10 =	8 X 0 =	9 X 10 =	9 X 0 =

2 Complete:

1 X = 9	0 X = 0	8 X = 0	9 X = 9
3 X = 27	1 X = 8	8 X = 16	9 X = 27
5 X = 45	2 X = 16	8 X = 32	9 X = 45
7 X = 63	3 X = 24	8 X = 48	9 X = 63
9 X = 81	4 X = 32	8 X = 64	9 X = 81
10 X = 90	5 X = 40	8 X = 80	9 X = 0
8 X = 72	6 X = 48	8 X = 8	9 X = 18
6 X = 54	7 X = 56	8 X = 24	9 X = 36
4 X = 36	8 X = 64	8 X = 40	9 X = 54
2 X = 18	9 X = 72	8 X = 56	9 X = 72
0 X = 0	10 X = 80	8 X = 72	9 X = 90

6 Complete in the same pattern :

a 0, 2, 4, 6,,,,,

b 30, 27, 24, 21,,,,,

c 0, 4, 8, 12,,,,,

d 50, 45, 40, 35,,,,,

e 0, 6, 12, 18,,,,,

f 70, 63, 56, 49,,,,,

g 0, 8, 16, 24,,,,,

h 90, 81, 72, 63,,,,,

7 Answer the following :

a There are 9 apples in each box.
How many apples are in 6 boxes?

..... **X** =



b Eman has 2 boxes of oranges .
Each box holds 5 oranges.
How many tickets does Eman have ?

..... **X** =



c There are 9 erasers in each box.
How many erasers are in 9 boxes?

..... **X** =





HOMWORK



Pony

1 Complete the multiplication table:

$8 \times 0 = \dots\dots$	$8 \times 1 = \dots\dots$	$9 \times 0 = \dots\dots$	$9 \times 1 = \dots\dots$
$8 \times 1 = \dots\dots$	$8 \times 3 = \dots\dots$	$9 \times 1 = \dots\dots$	$9 \times 3 = \dots\dots$
$8 \times 2 = \dots\dots$	$8 \times 5 = \dots\dots$	$9 \times 2 = \dots\dots$	$9 \times 5 = \dots\dots$
$8 \times 3 = \dots\dots$	$8 \times 7 = \dots\dots$	$9 \times 3 = \dots\dots$	$9 \times 7 = \dots\dots$
$8 \times 4 = \dots\dots$	$8 \times 9 = \dots\dots$	$9 \times 4 = \dots\dots$	$9 \times 9 = \dots\dots$
$8 \times 5 = \dots\dots$	$8 \times 10 = \dots\dots$	$9 \times 5 = \dots\dots$	$9 \times 10 = \dots\dots$
$8 \times 6 = \dots\dots$	$8 \times 8 = \dots\dots$	$9 \times 6 = \dots\dots$	$9 \times 8 = \dots\dots$
$8 \times 7 = \dots\dots$	$8 \times 6 = \dots\dots$	$9 \times 7 = \dots\dots$	$9 \times 6 = \dots\dots$
$8 \times 8 = \dots\dots$	$8 \times 4 = \dots\dots$	$9 \times 8 = \dots\dots$	$9 \times 4 = \dots\dots$
$8 \times 9 = \dots\dots$	$8 \times 2 = \dots\dots$	$9 \times 9 = \dots\dots$	$9 \times 2 = \dots\dots$
$8 \times 10 = \dots\dots$	$8 \times 0 = \dots\dots$	$9 \times 10 = \dots\dots$	$9 \times 0 = \dots\dots$

2 Complete:

$1 \times \dots = 9$	$0 \times \dots = 0$	$8 \times \dots = 0$	$9 \times \dots = 9$
$3 \times \dots = 27$	$1 \times \dots = 8$	$8 \times \dots = 16$	$9 \times \dots = 27$
$5 \times \dots = 45$	$2 \times \dots = 16$	$8 \times \dots = 32$	$9 \times \dots = 45$
$7 \times \dots = 63$	$3 \times \dots = 24$	$8 \times \dots = 48$	$9 \times \dots = 63$
$9 \times \dots = 81$	$4 \times \dots = 32$	$8 \times \dots = 64$	$9 \times \dots = 81$
$10 \times \dots = 90$	$5 \times \dots = 40$	$8 \times \dots = 80$	$9 \times \dots = 0$
$8 \times \dots = 72$	$6 \times \dots = 48$	$8 \times \dots = 8$	$9 \times \dots = 18$
$6 \times \dots = 54$	$7 \times \dots = 56$	$8 \times \dots = 24$	$9 \times \dots = 36$
$4 \times \dots = 36$	$8 \times \dots = 64$	$8 \times \dots = 40$	$9 \times \dots = 54$
$2 \times \dots = 18$	$9 \times \dots = 72$	$8 \times \dots = 56$	$9 \times \dots = 72$
$0 \times \dots = 0$	$10 \times \dots = 80$	$8 \times \dots = 72$	$9 \times \dots = 90$

3 Complete:

$$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

4 Match :

9×4	9×2	6×4	6×2	4×4	5×8
--------------	--------------	--------------	--------------	--------------	--------------

3×8	6×6	3×6	4×10	3×4	2×8
--------------	--------------	--------------	---------------	--------------	--------------

5 Use the 120 char , to find :

a List the common multiples of 2 and 3 up to 30 :

.....

b List the common multiples of 5 and 4 up to 40 :

.....

c List the common multiples of 4 and 6 up to 60 :

.....

d List the common multiples of 6 and 9 up to 60 :

.....

e List the common multiples of 6 and 8 up to 80 :

.....

6 Complete in the same pattern :

a 0, 2, 4, 6,,,,,

b 30, 27, 24, 21,,,,,

c 0, 4, 8, 12,,,,,

d 50, 45, 40, 35,,,,,

e 0, 6, 12, 18,,,,,

f 70, 63, 56, 49,,,,,

g 0, 8, 16, 24,,,,,

h 90, 81, 72, 63,,,,,

7 Answer the following :

a There are 9 apples in each box.
How many apples are in 6 boxes?

. **x** =



b Eman has 2 boxes of oranges .
Each box holds 5 oranges.
How many tickets does Eman have ?

. **x** =



c There are 9 erasers in each box.
How many erasers are in 9 boxes?

. **x** =



- d** Each peanut costs LE 5 .
How much do 7 peanuts cost?



$$\dots \times \dots = \dots$$

- e** Ahmed went to the store 8 times last month.
He buys 6 eggs each time he goes to the store.
How many eggs did Ahmed buy last month?



$$\dots \times \dots = \dots$$

- f** Each child has 7 bananas.
If there are 7 children,
how many bananas are there in total?



$$\dots \times \dots = \dots$$

- g** Each child has 8 crayons.
If there are 8 children,
how many crayons are there in total?



$$\dots \times \dots = \dots$$

- h** Each box of cookies costs LE 6.
How much do 5 boxes cost?



$$\dots \times \dots = \dots$$

Sheet 5

First Choose the correct answer

- a** $8 + 8 + 8 + 8 + 8 + 8 + 8 = \dots\dots\dots$ (7×8 or $8 + 7$ or 8×8)
b 6×5 $10 + 10 + 10$ ($<$ or $=$ or $>$)
c The smallest 5-digit number is ($10\ 000$ or $12\ 345$ or $10\ 234$)
d $10\ 000 + 55\ 000 + 1\ 000 = \dots\dots\dots$ ($65\ 100$ or $155\ 100$ or $66\ 000$)
e The number $63\ 000$ comes right after
 ($63\ 001$ or $62\ 999$ or $63\ 999$)

Second Complete the following

- a** $9 + 9 + 9 + 9 = 6 \times \dots\dots\dots$
b $370\ 037 = 37 + \dots\dots\dots$
c The place value of the digit 6 in the number $98\ 625$ is
d $75\ \text{thousands} + 50\ \text{tens} + 12\ \text{ones} = \dots\dots\dots$
e $60, 54, 48, 42, 36, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots, \dots\dots\dots$

Third Answer the following

- a** Find the result :

(1) $8\ 500 + 1\ 500 = \dots\dots\dots$ (2) $7\ 000 - 4\ 500 = \dots\dots\dots$

- b** Arrange the following numbers in an ascending order .

$45\ 450$, $45\ 045$, $45\ 504$, $45\ 054$, $45\ 405$

$\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$

- c** Each chair has 4 legs .

How many legs do 7 chairs have ?

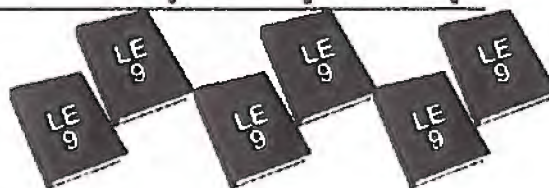
$\dots\dots \times \dots\dots = \dots\dots\dots$



- d** Each book costs LE 9 .

How much do 6 books costs ?

$\dots\dots \times \dots\dots = \dots\dots\dots$



LESSON 6

Multiplication Strategy

(Multiplying by 9)

(1) Finger Trick Strategy :

Example: 9×6

Step 1

Number your fingers from left hand to right hand (1-10.)



Step 2

Starting on the left . count until you get to the 6th finger



Step 3

Put that finger under. This is the division between the tens and the ones now.



Step 4

Count how many are on the left in the tens, and how many are on the right of the down finger and these are the ones.



1 Use the finger trick strategy to find :



5×9



8×9



9×2

(2) List of equation strategy :

1 X 9	=	9	→	0 + 9 = 9
2 X 9	=	1 8	→	1 + 8 = 9
3 X 9	=	2 7	→	2 + 7 = 9
4 X 9	=	3 6	→	3 + 6 = 9
5 X 9	=	4 5	→	4 + 5 = 9
6 X 9	=	5 4	→	5 + 4 = 9
7 X 9	=	6 3	→	6 + 3 = 9
8 X 9	=	7 2	→	7 + 2 = 9
9 X 9	=	8 1	→	8 + 1 = 9
10 X 9	=	9 0	→	9 + 0 = 9

(3) 120 chart strategy :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

(4) Tens fact strategy :

Example

To find : 9×6 :

Draw a model of 10×6 then cross one group of 6:



$$9 \times 6 = (10 \times 6) - 6 = 54$$

2 Use the Ten fact strategy to find :

a 9×7

--	--	--	--	--	--	--	--	--	--

$$9 \times 7 = (10 \times 7) - 7 = \dots - \dots = \dots$$

b 9×5

--	--	--	--	--	--	--	--	--	--

$$9 \times 5 = (\dots \times \dots) - \dots = \dots - \dots = \dots$$

c 9×8

--	--	--	--	--	--	--	--	--	--

$$9 \times 8 = (\dots \times \dots) - \dots = \dots - \dots = \dots$$

d 9×3

--	--	--	--	--	--	--	--	--	--

$$9 \times 3 = (\dots \times \dots) - \dots = \dots - \dots = \dots$$


1 Complete:

$2 \times 2 = \dots\dots$

$3 \times 3 = \dots\dots$

$2 \times 6 = \dots\dots$

$4 \times 4 = \dots\dots$

$2 \times 9 = \dots\dots$

$4 \times 6 = \dots\dots$

$3 \times 9 = \dots\dots$

$4 \times 8 = \dots\dots$

$6 \times 6 = \dots\dots$

$5 \times 9 = \dots\dots$

$6 \times 9 = \dots\dots$

$7 \times 9 = \dots\dots$

$2 \times 3 = \dots\dots$

$2 \times 5 = \dots\dots$

$2 \times 7 = \dots\dots$

$2 \times 8 = \dots\dots$

$4 \times 5 = \dots\dots$

$3 \times 8 = \dots\dots$

$4 \times 7 = \dots\dots$

$5 \times 7 = \dots\dots$

$5 \times 8 = \dots\dots$

$6 \times 8 = \dots\dots$

$7 \times 8 = \dots\dots$

$8 \times 9 = \dots\dots$

$2 \times 4 = \dots\dots$

$3 \times 4 = \dots\dots$

$3 \times 5 = \dots\dots$

$3 \times 6 = \dots\dots$

$3 \times 7 = \dots\dots$

$5 \times 5 = \dots\dots$

$5 \times 6 = \dots\dots$

$4 \times 9 = \dots\dots$

$6 \times 7 = \dots\dots$

$7 \times 7 = \dots\dots$

$8 \times 8 = \dots\dots$

$9 \times 9 = \dots\dots$

$2 \times \dots\dots = 4$

$3 \times \dots\dots = 6$

$4 \times \dots\dots = 8$

$3 \times \dots\dots = 9$

$5 \times \dots\dots = 10$

$6 \times \dots\dots = 12$

$4 \times \dots\dots = 12$

$7 \times \dots\dots = 14$

$5 \times \dots\dots = 15$

$4 \times \dots\dots = 16$

$8 \times \dots\dots = 16$

$9 \times \dots\dots = 18$

$6 \times \dots\dots = 18$

$5 \times \dots\dots = 20$

$7 \times \dots\dots = 21$

$8 \times \dots\dots = 24$

$6 \times \dots\dots = 24$

$5 \times \dots\dots = 25$

$9 \times \dots\dots = 27$

$7 \times \dots\dots = 28$

$6 \times \dots\dots = 30$

$8 \times \dots\dots = 32$

$7 \times \dots\dots = 35$

$6 \times \dots\dots = 36$

$9 \times \dots\dots = 36$

$8 \times \dots\dots = 40$

$7 \times \dots\dots = 42$

$9 \times \dots\dots = 45$

$8 \times \dots\dots = 48$

$7 \times \dots\dots = 49$

$9 \times \dots\dots = 54$

$8 \times \dots\dots = 56$

$9 \times \dots\dots = 63$

$8 \times \dots\dots = 64$


$9 \times \dots\dots = 72$

$9 \times \dots\dots = 81$


2 Complete:

$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 9 \\ \times \dots \\ \hline 81 \end{array}$	$\begin{array}{r} 6 \\ \times \dots \\ \hline 36 \end{array}$	$\begin{array}{r} 8 \\ \times \dots \\ \hline 56 \end{array}$	$\begin{array}{r} 7 \\ \times \dots \\ \hline 35 \end{array}$	$\begin{array}{r} 6 \\ \times \dots \\ \hline 36 \end{array}$	$\begin{array}{r} 4 \\ \times \dots \\ \hline 16 \end{array}$
$\begin{array}{r} 8 \\ \times \dots \\ \hline 64 \end{array}$	$\begin{array}{r} 7 \\ \times \dots \\ \hline 49 \end{array}$	$\begin{array}{r} 9 \\ \times \dots \\ \hline 54 \end{array}$	$\begin{array}{r} 8 \\ \times \dots \\ \hline 32 \end{array}$	$\begin{array}{r} 8 \\ \times \dots \\ \hline 48 \end{array}$	$\begin{array}{r} 5 \\ \times \dots \\ \hline 25 \end{array}$


3 Use the finger trick strategy to find :




2 X 9




4 X 9




9 X 6




8 X 9




3 X 9




9 X 5




7 X 9



9 X 9



9 X 1



10 X 9

4 Use the Ten fact strategy to find :

a $9 \times 2 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 2 = (\dots\dots X \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

b $9 \times 4 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 4 = (\dots\dots X \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

c $9 \times 6 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 6 = (\dots\dots X \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

d $9 \times 8 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 8 = (\dots\dots X \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

e $9 \times 1 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 1 = (\dots\dots X \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

f $9 \times 3 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 3 = (\dots\dots X \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

g $9 \times 5 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 5 = (\dots\dots X \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

h $9 \times 7 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 7 = (\dots\dots X \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

i $9 \times 9 =$

--	--	--	--	--	--	--	--	--	--

$9 \times 9 = (\dots\dots X \dots\dots) - \dots\dots = \dots\dots - \dots\dots = \dots\dots$

5 Choose the correct answer :

- a** $5 + 5 + 5 + 5 + 5 + 5 = \dots\dots$ (5×5 or 3×10 or 6×6)
- b** $8 \times 3 = \dots\dots$ (6×4 or $3 + 3 + 3$ or 4×4)
- c** $10 + 10 + 10 + 10 = \dots\dots$ (5×4 or 10×10 or 5×8)
- d** $9 + 9 + 9 + 9 = \dots\dots$ (9×9 or 3×6 or 6×6)
- e** $6 + 6 + 6 + 6 = \dots\dots$ (6×4 or $6 + 4$ or $6 + 6$)
- f** $9 \times 7 = (10 \times \dots\dots) - 7$ (10 or 9 or 7)
- g** $6 \times 3 = \dots\dots$ ($3 + 3 + 3$ or $6 + 6 + 6 + 6$ or $9 + 9$)
- h** $4 + 4 + 4 + 4 = \dots\dots$ (8×2 or $4 + 4$ or 4×4)

6 Complete :

- a** $8 \times 3 = \dots\dots + \dots\dots + \dots\dots = \dots\dots$
- b** $6 \times 6 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots = \dots\dots$
- c** $5 \times 4 = \dots\dots + \dots\dots = \dots\dots$
- d** $6 \times 3 = 2 \times \dots\dots = \dots\dots$
- e** $3 \times 4 = 2 \times \dots\dots = \dots\dots$
- f** $4 \times 4 = 2 \times \dots\dots = \dots\dots$
- g** $3 \times 8 = 4 \times \dots\dots = \dots\dots$
- h** $8 + 8 + 8 + 8 = 4 \times \dots\dots = \dots\dots$
- i** $6 + 6 + 6 + 6 + 6 = 5 \times \dots\dots = \dots\dots$
- j** $9 \times \dots\dots = (10 \times 8) - 8 = \dots\dots$
- k** $9 \times 6 = (\dots\dots \times \dots\dots) - 6 = \dots\dots$

First Choose the correct answer

- a $9 \times \dots = (10 \times 7) - 7$ (6 or 7 or 8)
- b $8 + 8 + 8 + 8 + 8 = \dots$ (8×8 or $8 + 5$ or 4×10)
- c $450 + 45 = \dots$ (45 045 or 495 or 4 545)
- d $750\,000 + 15\,000 + 40 = \dots$ (751 540 or 765 040 or 750 190)
- e 200 thousands = ... tens (200 000 or 20 000 or 2 000)

Second Complete the following

- a The number that comes right before 20 000 is
- b The value of the digit 0 in the number 23 054 is
- c $(10 \times 6) - 6 = \dots \times 6$
- d $8 + 8 + 8 + 8 + 8 + 8 = \dots \times \dots$
- e Nine hundred thousand and nine (Standard form) =

Third Answer the following

- a Find the result of the following :

(1) $4\,567$

$+ 133$

.....

(2) 598

$- 527$

.....

(3) 709

$- 79$

.....

- b Complete using : ($<$, $=$ or $>$) :

(1) $5 + 5 + 5 + 5$ 5×5

(2) $4 + 4 + 4$ 2×6

(3) 8×5 $8 + 5$

(4) 9×3 3×9

- c Each pen costs LE 6 ,
How much do 8 pens cost ?

..... \times =



Multiplication Properties

Commutative Property :

3 rows

5 squares in each row

Total number of squares

$$3 \times 5 = 15$$



5 rows

3 squares in each row

Total number of squares

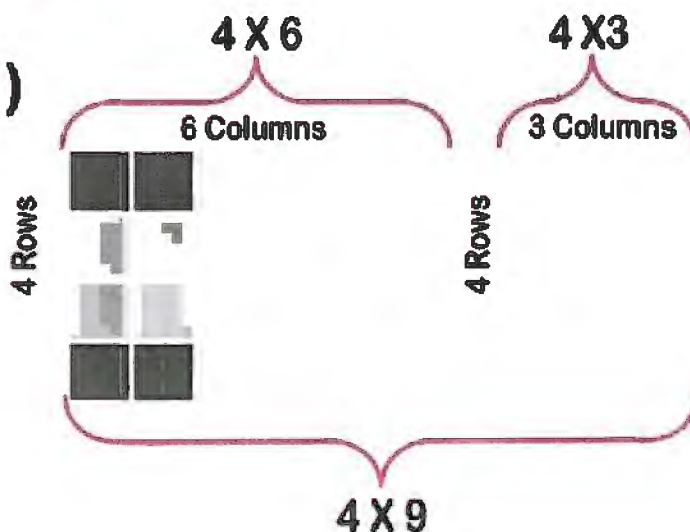
$$5 \times 3 = 15$$



So, $3 \times 5 = 5 \times 3$ (Commutative property)

Distributive Property :

$$\begin{aligned} & (4 \times 6) + (4 \times 3) \\ &= 4 \times (6 + 3) \\ &= 4 \times 9 \\ &= 36 \end{aligned}$$



1 Complete the following:

a $5 \times 8 = 8 \times \dots$

d $\dots \times 7 = 7 \times 4$

b $7 \times 3 = 3 \times \dots$

e $\dots \times 6 = 6 \times 9$

c $5 \times \dots = 7 \times 5$

f $3 \times \dots = 8 \times \dots$

g $(5 \times 3) + (5 \times 7) = \dots \times \dots = \dots$

h $(8 \times 4) + (8 \times 2) = \dots \times \dots = \dots$

i $(2 \times 6) + (2 \times 3) = \dots \times \dots = \dots$

j $(\dots \times 3) + (\dots \times 4) = 8 \times 7 = \dots$

k $(7 \times \dots) + (7 \times 5) = \dots \times 9 = \dots$

l $5 \times 9 = (5 \times 4) + (\dots \times \dots)$

2 Complete the following: (As in the example)

Example

80

56

$8 \times 17 = 8 \times (10 + 7) = 8 \times 10 + 8 \times 7 = 136$

a $7 \times 13 = \dots$

b $8 \times 15 = \dots$

c $9 \times 13 = \dots$

d $7 \times 12 = \dots$



1 Complete the following :

- a $7 \times 8 = 8 \times \dots\dots$ d $\dots\dots \times 7 = 7 \times 4$
 b $8 \times 5 = 5 \times \dots\dots$ e $\dots\dots \times 6 = 6 \times 9$
 c $8 \times \dots\dots = 7 \times 8$ f $7 \times \dots\dots = 8 \times$
 g $(8 \times 4) + (8 \times 2) = \dots\dots \times \dots\dots = \dots\dots$
 h $(7 \times 6) + (7 \times 3) = \dots\dots \times \dots\dots = \dots\dots$
 i $(9 \times 3) + (9 \times 3) = \dots\dots \times \dots\dots = \dots\dots$
 j $(\dots\dots \times 4) + (\dots\dots \times 4) = 8 \times 8 = \dots\dots$
 k $(3 \times \dots\dots) + (3 \times 5) = \dots\dots \times 9 = \dots\dots$
 l $2 \times 9 = (2 \times 4) + (\dots\dots \times \dots\dots)$

2 Complete the following :(As in the example)

Example

$$8 \times 17 = 8 \times (10 + 7) = \boxed{80} + \boxed{56} = 136$$

- a $7 \times 13 = \dots\dots\dots$
 b $4 \times 12 = \dots\dots\dots$
 c $9 \times 13 = \dots\dots\dots$
 d $8 \times 15 = \dots\dots\dots$

3 Complete :

- a Number of rows =
- b Number of squares in each row =
- c Total number of squares =
- d Number of rows =
- e Number of squares in each row =
- f Total number of squares =



9 So, X = X

4 Complete :

- a Number of Columns =
- b Number of squares in each Columns =
- c Total number of squares =
- d Number of Columns =
- e Number of squares in each Columns =
- f Total number of squares =



9 So, X = X

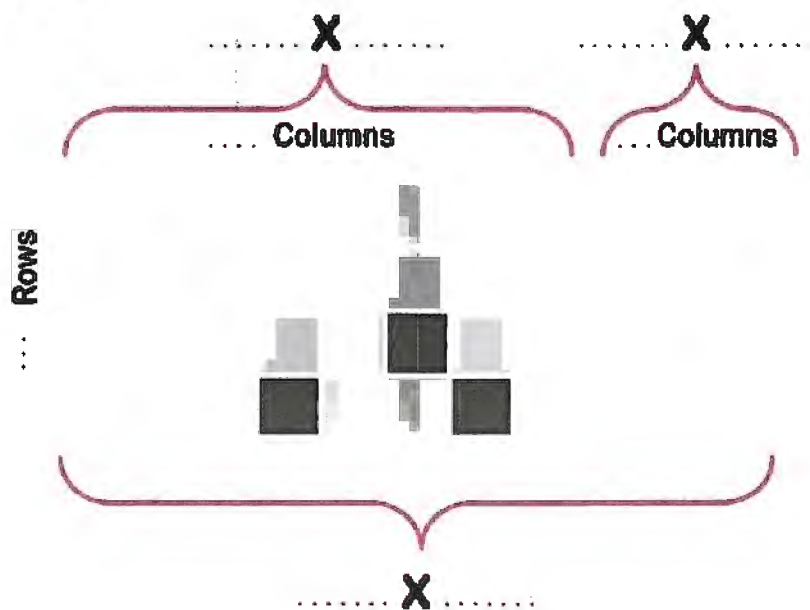
5 Complete :

- a Number of Columns =
- b Number of squares in each Columns =
- c Total number of squares =
- d Number of Columns =
- e Number of squares in each Columns =
- f Total number of squares =

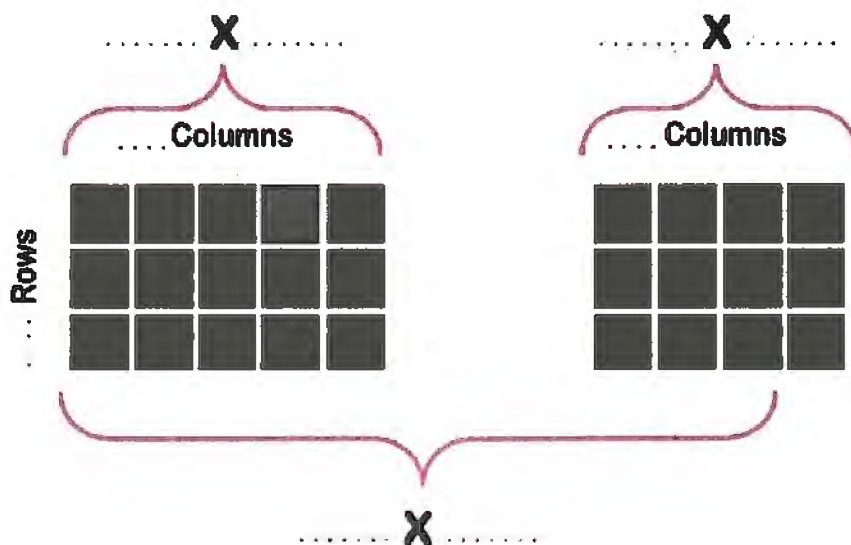


9 So, X = X

6 Complete :



a $\dots X \dots = (\dots X \dots) + (\dots X \dots) = \dots$









b $\dots X \dots = (\dots X \dots) + (\dots X \dots) = \dots$

First Choose the correct answer

- a Nineteen thousand , nine hundred and nine =
(19 909 or 90 909 or 19 990)
- b $500 + 0 + 0 + 5 = \dots\dots\dots$ (500 005 or 5005 or 505)
- c $7 + 7 + 7 + 7 + 7 = \dots\dots\dots$ (7×7 or 7×5 or $7 + 5$)
- d $8 \times 2 = \dots\dots\dots$ ($2 + 2$ or $4 + 4 + 4 + 4$ or 8×8)
- e The value of the digit 8 in the number 308 964 is
(800 000 or 80 000 or 8 000)

Second Complete the following

- a   ,   ,   , ,
- b $6 \times 9 = (\dots\dots \times 5) + (\dots\dots \times \dots\dots)$
- c $7 \times 6 = \dots\dots \times 7$
- d The number comes right after 56 999
- e 700 thousands + 2 hundreds + 108 tens =

Third Answer the following

- a Arrange the following numbers in an ascending order .

75 050 , 75 005 , 75 500 , 75 505 , 75 055

..... , , , ,

- b Number of Columns =

Number of squares in each Columns =

Total number of squares = \times =



- c Number of rows =

Number of squares in each row =

Total number of squares = \times =



Multiplication by the multiples of ten

1 USE THE 120 CHART

Color the multiples of 10 :

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

a List the multiples of 10 up to 120 :

..... , , , , ,

..... , , , , ,

b List the common multiples of 10 and 5 up to 120 :

..... , , , , ,

..... , , , , ,

c List the common multiples of 4 , 5 and 10 up to 120 :

.....

.....

$$4 \times 10 = 40$$

$$125 \times 10 = 1250$$

$$44 \times 10 = 440$$

$$100 \times 10 = 1\,000$$

EXAMPLES

$$4 \times 30 = 4 \times 3 \times 10 = 12 \times 10 = 120$$

$30 = 3 \times 10$
 $4 \times 3 = 12$

$$7 \times 90 = 7 \times 9 \times 10 = 63 \times 10 = 630$$

$90 = 9 \times 10$
 $7 \times 9 = 63$

Complete the following :

a $7 \times 10 = \dots\dots$

c $12 \times 10 = \dots\dots$

e $6 \times \dots\dots = 60$

g $65 \times \dots\dots = 650$

i $5 \times 60 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

j $4 \times 80 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

k $\dots\dots \times \dots\dots = 5 \times 8 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

l $\dots\dots \times \dots\dots = 9 \times 3 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

m $\dots\dots \times \dots\dots = 7 \times \dots\dots \times \dots\dots = 35 \times 10 = \dots\dots$

n $\dots\dots \times \dots\dots = \dots\dots \times 9 \times \dots\dots = 36 \times 10 = \dots\dots$

b $9 \times 10 = \dots\dots$

d $52 \times 10 = \dots\dots$

f $8 \times \dots\dots = 80$

h $47 \times \dots\dots = 470$



1 Complete :

1 X 10 =	9 X = 90 X 10 = 50
3 X 10 =	7 X = 70	..... X 10 = 30
5 X 10 =	5 X = 50	..... X 10 = 70
7 X 10 =	3 X = 30	..... X 10 = 20
9 X 10 =	1 X = 10	..... X 10 = 90
0 X 10 =	0 X = 0	..... X 10 = 10
2 X 10 =	2 X = 20	..... X 10 = 60
4 X 10 =	4 X = 40	..... X 10 = 40
6 X 10 =	6 X = 60	..... X 10 = 80
8 X 10 =	8 X = 80	..... X 10 = 0
10 X 10 =	10 X = 100	..... X 10 = 100

2 Answer the following :

- List all the multiples of 10 up to 120 :
.....
.....
- List the common multiples of 5 and 10 up to 100 :
.....
.....
- List the common multiples of 2 , 3 and 10 up to 100 :
.....
.....
- List the common multiples of 4 , 5 and 10 up to 100 :
.....
.....
- List the common multiples of 5 , 6 and 10 up to 100 :
.....
.....

3 Complete the following :

a $6 \times 10 = \dots\dots$

c $52 \times 10 = \dots\dots$

e $16 \times 10 = \dots\dots$

g $7 \times \dots\dots = 70$

i $4 \times \dots\dots = 40$

k $86 \times \dots\dots = 860$

m $55 \times \dots\dots = 550$

b $8 \times 10 = \dots\dots$

d $22 \times 10 = \dots\dots$

f $82 \times 10 = \dots\dots$

h $4 \times \dots\dots = 40$

j $10 \times \dots\dots = 100$

l $27 \times \dots\dots = 270$

n $74 \times \dots\dots = 740$

4 Complete the following :

a $8 \times 50 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

b $5 \times 40 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

c $9 \times 80 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$

d $\dots\dots \times \dots\dots = 5 \times 9 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

e $\dots\dots \times \dots\dots = 8 \times 8 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

f $\dots\dots \times \dots\dots = 6 \times 3 \times 10 = \dots\dots \times \dots\dots = \dots\dots$

g $\dots\dots \times \dots\dots = 5 \times \dots\dots \times \dots\dots = 35 \times 10 = \dots\dots$

h $\dots\dots \times \dots\dots = 6 \times \dots\dots \times \dots\dots = 54 \times 10 = \dots\dots$

i $\dots\dots \times \dots\dots = \dots\dots \times 7 \times \dots\dots = 49 \times 10 = \dots\dots$

5 Choose the correct answer :

- a** $5 \times 6 \times 10 = \dots \times 10$ (300 or 30 or 3)
- b** $7 \times 4 \times 10 = \dots \times 10$ (280 or 4 or 28)
- c** $\dots \times 9 \times 10 = 36 \times 10$ (4 or 36 or 360)
- d** $28 \times 10 = 4 \times \dots \times 10$ (7 or 280 or 40)
- e** $35 \times 10 = 5 \times \dots \times 10$ (70 or 350 or 7)
- f** $36 \times 10 = \dots \times 6 \times 10$ (3 or 6 or 36)
- g** $5 \times 8 = \dots \times 5$ (40 or 5 or 8)
- h** $9 \times \dots = 6 \times 9$ (6 or 9 or 54)
- i** $8 \times 6 = 6 \times \dots$ (8 or 6 or 48)
- j** $5 + 5 + 5 + 5 = 2 \times \dots$ (5 or 10 or 4 + 5)
- k** $6 + 6 + 6 = \dots$ (6 + 3 or 6 X 6 or 9 X 2)
- l** $6 + 6 + 6 + 6 + 6 = \dots$ (6 X 6 or 3 X 10 or 6 + 5)

6 Match :

2 X 60

8 X 50

3 X 60

6 X 60

4 X 40

X 50

3 X 80

40 X 10

20 X 9

3 X 40

2 X 80

4 X 60

40 X 9

2 X 100

First Choose the correct answer

- a** The value of the digit 9 in the number 89 123 is
 (90 000 or 9 000 or 900)
- b** $25\ 025 = 25 + \dots$ (25 or 250 or 25 000)
- c** $4 + 4 + 4 + 4 = \dots$ ($4 + 4$ or $8 + 2$ or 8×2)
- d** $6 \times 6 = \dots$ ($6 + 6 + 6 + 6$ or 6×2 or 9×4)
- e** The smallest number formed from (6 , 7 , 2 , 0 , 5) is
 (20 567 or 76 520 or 25 670)

Second Complete the following

- a** 750 thousands + 100 hundreds =
- b** $7 \times 14 = 7 \times \dots + 7 \times \dots = \dots$
- c** $6 \times 70 = \dots \times \dots \times \dots = \dots$
- d** Twenty thousand and twenty (In standard form) :
- e** 80 , 72 , 64 , 56 , , ,

Third Answer the following

- a** Find the result :

(1) $7\ 058 + 950 = \dots$ (2) $8\ 005 - 450 = \dots$

- b** Arrange the following numbers in a descending order .

10 005 , 1 005 , 1 050 , 15 000 , 1 500

..... , , , ,

- c** Ahmed went to the store 6 times last month.
 He buys 6 eggs each time he goes to the store.
 How many eggs did Ahmed buy last month?

..... \times =



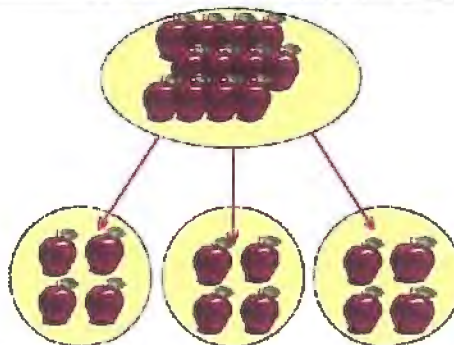
LESSON 9

Division

Example

There are **12** apples that need to be divided equally between **3** baskets.

Draw a part - part - whole model to show the answer:



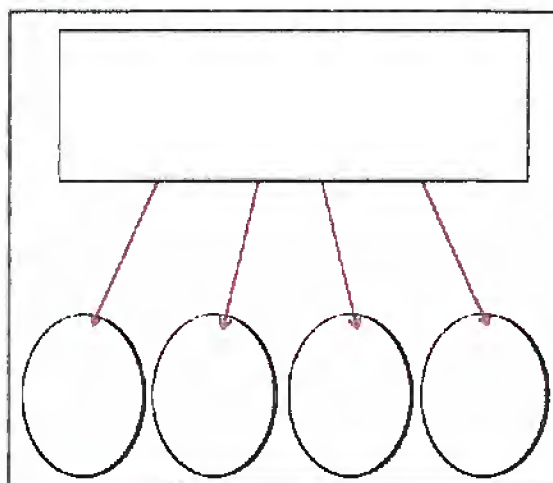
$$12 \div 3 = 4$$

Dividend Divided by Divisor Quotient

- 1** There are 16 fish that need to be placed equally in 4 bowls. How many fish should be put into each bowl?

Draw a part-part-whole model to show your answer.

$$\dots \div \dots = \dots$$

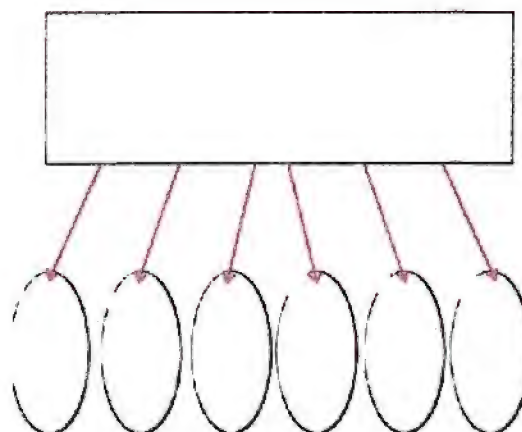


- 2** The teacher has 36 crayons to share equally between 6 students.

What is the share of each?

Draw a part-part-whole model to show your answer.

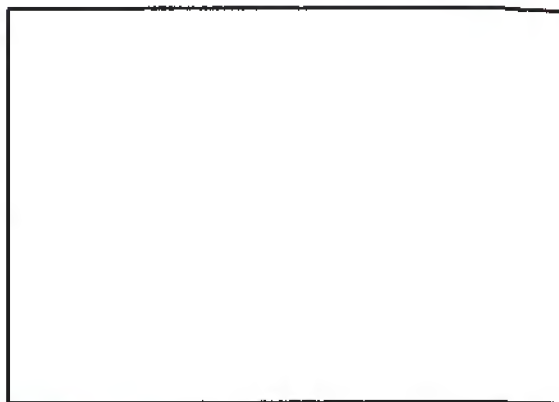
$$\dots \div \dots = \dots$$



- 3** Each cat needs 3 fish for lunch.
How many cats can we feed
with 12 fish ?

Draw a part-part-whole model
to show your answer .

..... \div =



Multiplication & Division Fact Families

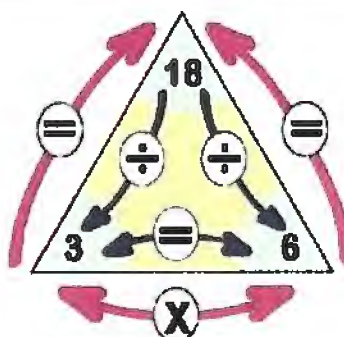
Example

$$3 \times 6 = 18$$

$$6 \times 3 = 18$$

$$18 \div 3 = 6$$

$$18 \div 6 = 3$$



- 4** Find the missing factor in the triangles , then write the four
equations to complete the fact family:

a

..... \times =

..... \times =

..... \div =

..... \div =

b

..... \times =

..... \times =

..... \div =

..... \div =

c

..... \times =

..... \times =

..... \div =

..... \div =

$$14 \div 2 = 7$$

$$2 \overline{) 14} = 7$$

$$\frac{14}{2} = 7$$

5 Complete the following:

$$16 \div 4 = \dots\dots$$

$$3 \overline{) 15}$$

$$\frac{14}{2} = \dots\dots$$

$$15 \div 3 = \dots\dots$$

$$7 \overline{) 21}$$

$$\frac{18}{9} = \dots\dots$$

$$12 \div 3 = \dots\dots$$

$$6 \overline{) 12}$$

$$\frac{63}{7} = \dots\dots$$

$$\dots\dots \div 4 = 6$$

$$5 \overline{) \begin{array}{c} 7 \\ \dots\dots \end{array}}$$

$$\frac{\dots\dots}{9} = 8$$

$$\dots\dots \div 6 = 8$$

$$2 \overline{) \begin{array}{c} 6 \\ \dots\dots \end{array}}$$

$$\frac{\dots\dots}{7} = 8$$

$$36 \div \dots\dots = 6$$

$$\dots\dots \overline{) 30}$$

$$\frac{14}{\dots\dots} = 7$$

$$72 \div \dots\dots = 8$$

$$\dots\dots \overline{) 40}$$

$$\frac{54}{\dots\dots} = 9$$



HOMWORK



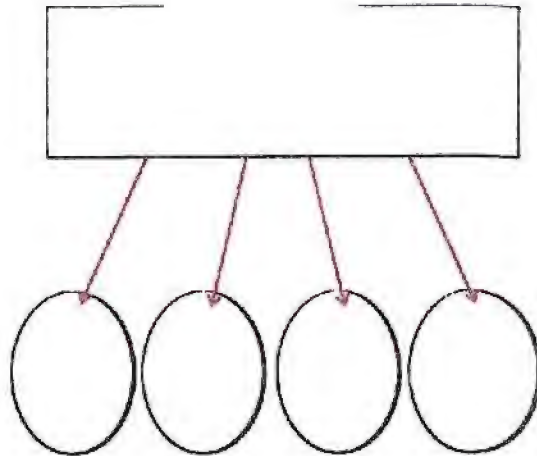
Pony

Answer the following :

- a** There are 20 fish tht need to be plased equally in 4 bowls. How many fish should be put into each bowl ?

Draw a part-part-whole model to show your answer .

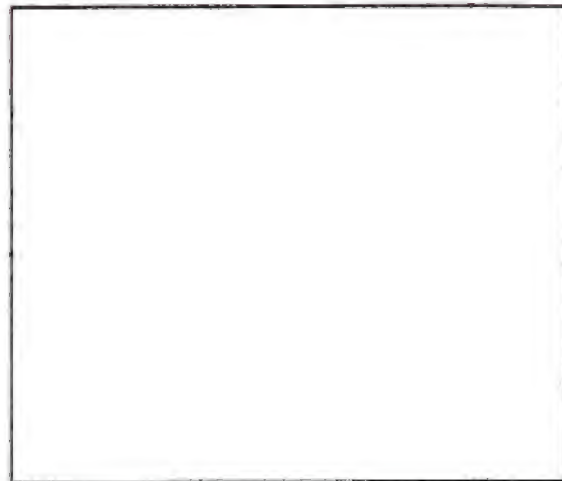
$$\dots \div \dots = \dots$$



- b** The teacher has 18 crayons to share equally between 6 students. What is the share of each ?

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$



- c** Salah has 20 oranges that need to be divid equally between 5 baskets.

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$



- d** Eman is inviting 3 friends to a party. He has 12 cookies. How many cookies will each friend get?

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

- e** Judy has 20 pencils stored in boxes. If there are 5 boxes, How many pencils must go in each box?

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

- f** There are 6 students in the class and 30 peanuts. If the peanuts are divided equally among the students, How many does each student get?

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

- g** Each jackal must eat 6 insects.
There are 24 insects .
How many jackal can be fed?

Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

- h** Each crocodile wants to eat 5 fish .
There are 25 fish.
How many crocodiles can be fed ?

Draw a part-part-whole model to show your answer .

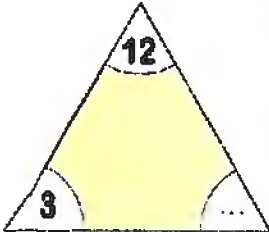
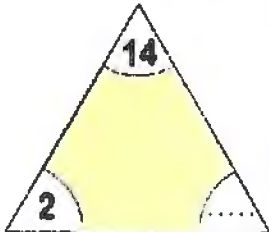
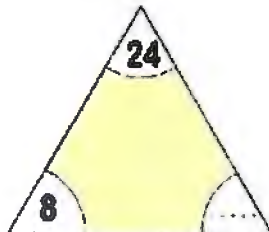
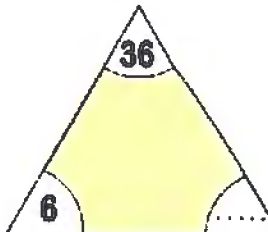
$$\dots \div \dots = \dots$$

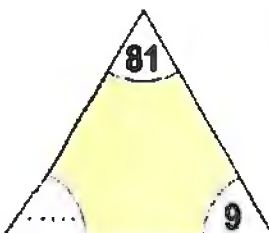
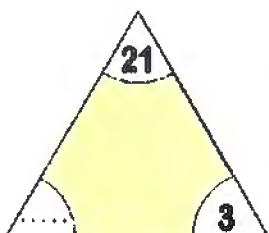
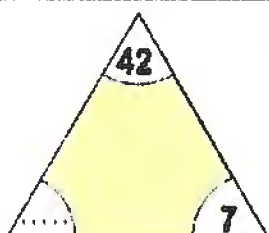
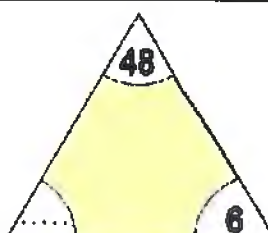
- i** Each bull eats 2 bales of hay each day .
There are 100 bales.
How many bulls can be fed ?

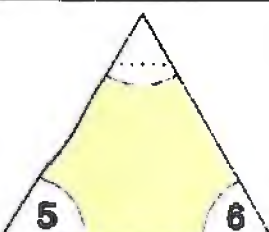
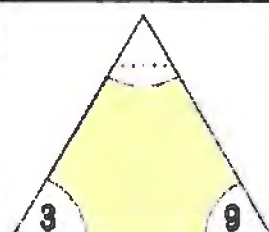
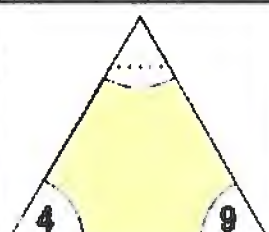
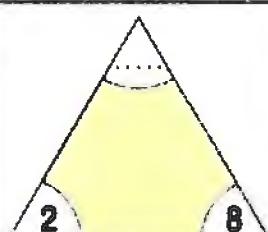
Draw a part-part-whole model to show your answer .

$$\dots \div \dots = \dots$$

2 Find the missing factor in the triangles, then write the **four** equations to complete the fact family:

 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>
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 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>	 <p> $\times =$ $\times =$ $\div =$ $\div =$ </p>
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3 Complete the following:

$25 \div 5 = \dots\dots$

$2 \overline{) 8}$

$\frac{40}{5} = \dots\dots$

$15 \div 5 = \dots\dots$

$3 \overline{) 6}$

$\frac{42}{6} = \dots\dots$

$30 \div 5 = \dots\dots$

$5 \overline{) 10}$

$\frac{45}{5} = \dots\dots$

$36 \div 6 = \dots\dots$

$4 \overline{) 12}$

$\frac{48}{8} = \dots\dots$

$45 \div 5 = \dots\dots$

$4 \overline{) 16}$

$\frac{56}{7} = \dots\dots$

$72 \div 8 = \dots\dots$

$6 \overline{) 24}$

$\frac{54}{9} = \dots\dots$

$18 \div 9 = \dots\dots$

$3 \overline{) 24}$

$\frac{63}{7} = \dots\dots$

$16 \div 4 = \dots\dots$

$4 \overline{) 28}$

$\frac{64}{8} = \dots\dots$

$20 \div 5 = \dots\dots$

$3 \overline{) 27}$

$\frac{72}{8} = \dots\dots$

$21 \div 7 = \dots\dots$

$6 \overline{) 30}$

$\frac{81}{9} = \dots\dots$

4 Complete the following :

$$\dots \div 2 = 2$$

$$\dots \div 3 = 3$$

$$\dots \div 4 = 2$$

$$\dots \div 6 = 2$$

$$\dots \div 8 = 2$$

$$32 \div \dots = 8$$

$$35 \div \dots = 5$$

$$40 \div \dots = 5$$

$$36 \div \dots = 6$$

$$42 \div \dots = 7$$

$$2 \overline{) \begin{array}{r} 3 \\ \dots \end{array}}$$

$$3 \overline{) \begin{array}{r} 4 \\ \dots \end{array}}$$

$$4 \overline{) \begin{array}{r} 5 \\ \dots \end{array}}$$

$$5 \overline{) \begin{array}{r} 3 \\ \dots \end{array}}$$

$$6 \overline{) \begin{array}{r} 3 \\ \dots \end{array}}$$

$$\dots \overline{) \begin{array}{r} 9 \\ 36 \end{array}}$$

$$\dots \overline{) \begin{array}{r} 5 \\ 45 \end{array}}$$

$$\dots \overline{) \begin{array}{r} 6 \\ 48 \end{array}}$$

$$\dots \overline{) \begin{array}{r} 6 \\ 54 \end{array}}$$

$$\dots \overline{) \begin{array}{r} 7 \\ 63 \end{array}}$$

$$\frac{\dots}{6} = 4$$

$$\frac{\dots}{5} = 5$$

$$\frac{\dots}{4} = 8$$

$$\frac{\dots}{3} = 7$$

$$\frac{\dots}{2} = 9$$

$$\frac{72}{\dots} = 9$$

$$\frac{81}{\dots} = 9$$

$$\frac{64}{\dots} = 8$$

$$\frac{14}{\dots} = 7$$

$$\frac{49}{\dots} = 7$$

First Choose the correct answer

- a** The number that comes right before 20 500 is
(20 499 or 20 501 or 10 500)
- b** $28 \div \dots = 7$ (3 or 4 or 5)
- c** $9 \times 50 = \dots \times 10$ (95 or 90 or 45)
- d** $8 + 8 + 8 = \dots$ ($8 + 3$ or $6 + 4$ or 6×4)
- e** Eighteen thousand, eight hundred and eight =
(18 808 or 80 808 or 18 880)

Second Complete the following

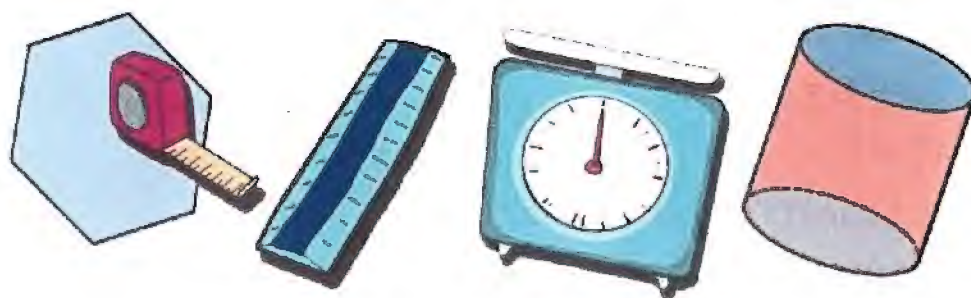
- a** 25 thousand + 105 tens =
- b** $\dots \div 8 = 7$
- c** $6 \times 15 = (\dots \times \dots) + (\dots \times \dots) = \dots$
- d** The smallest 6-digit number is
- e** $3 \times 3 = 36 \div \dots$

Third Answer the following

- a** Find the result :
- (1) $789 + 125 = \dots$ (3) $45 \div 5 = \dots$
- (2) $500 - 247 = \dots$ (4) $63 \div 9 = \dots$
- b** Complete using $<$, $=$ or $>$:
- (1) 6×6 $4 + 9$ (3) $18 \div 2$ $48 \div 6$
- (2) $4 + 4 + 4 + 4$ 2×8 (4) $8 \div 8$ 1×8
- c** The price of each book is 8 pounds.
How many books can you buy if you have 40 pounds?
-

CHAPTER

FOUR



AN

E

E

E

LESSON 1

Time

a half $\frac{1}{2}$

a third $\frac{1}{3}$

a quarter $\frac{1}{4}$

DAY 24 HOUR 60 MINUTE

1 day = 24 hours

$\frac{1}{2}$ day = 12 hours

$\frac{1}{3}$ day = 8 hours

$\frac{1}{4}$ day = 6 hours

1 hour = 60 minutes

$\frac{1}{2}$ hour = 30 minutes

$\frac{1}{3}$ hour = 20 minutes

$\frac{1}{4}$ hour = 15 minutes

1 Complete the following :

a 2 hours = + = minutes

b An hour and a half = + = minutes

c 2 hours and a third = + = minutes

d An hour and a quarter = + = minutes

e 2 hours and 25 minutes = + = minutes

f An hour and 10 minutes = + = minutes

g 65 minutes = hours + minutes

h 95 minutes = hours + minutes

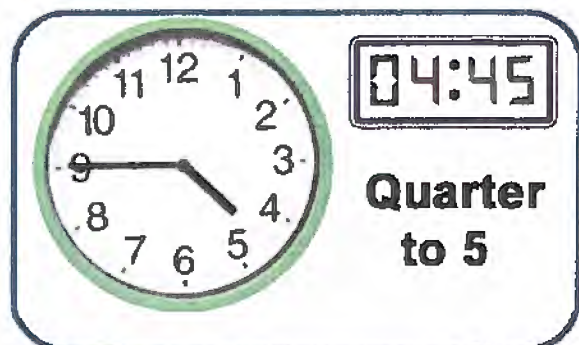
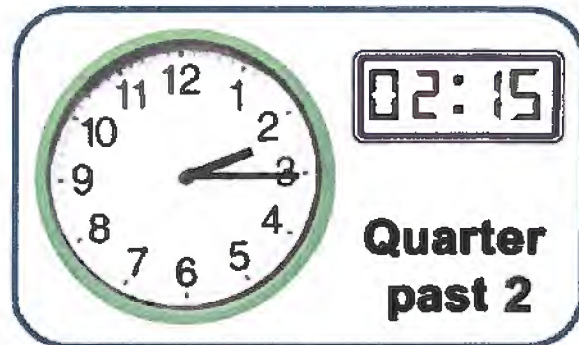
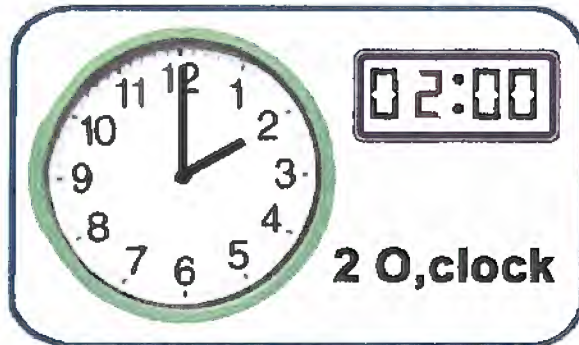
i 150 minutes = hours + minutes

Remember

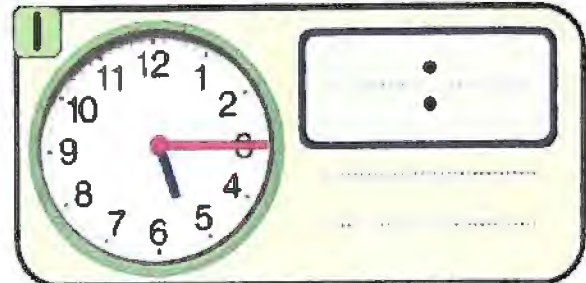
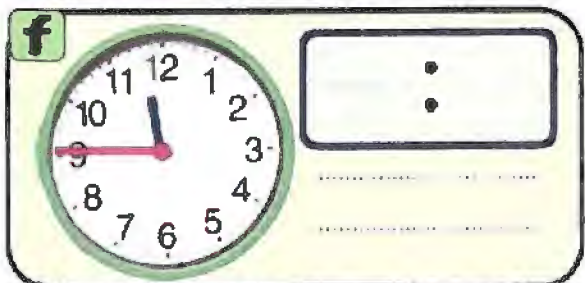
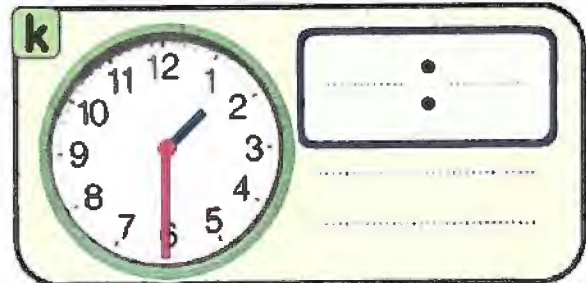
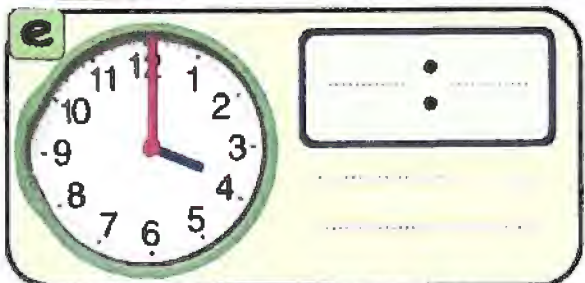
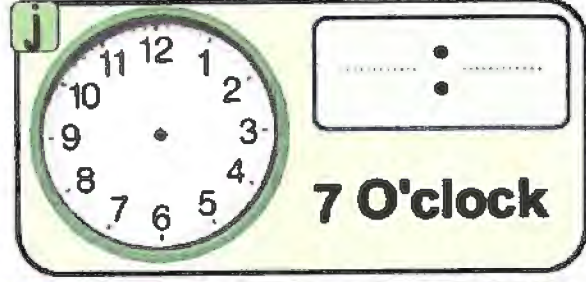
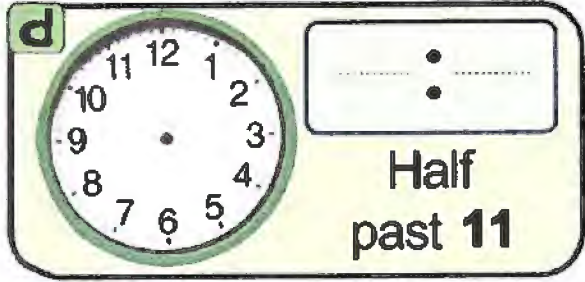
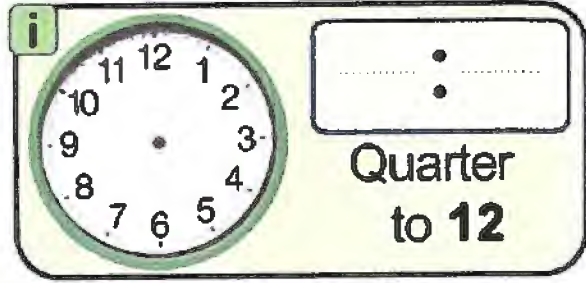
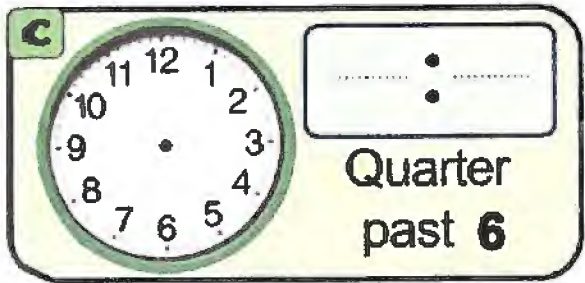
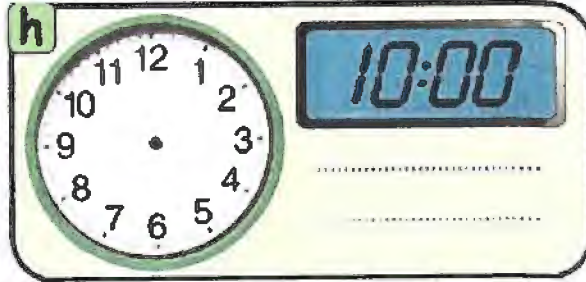
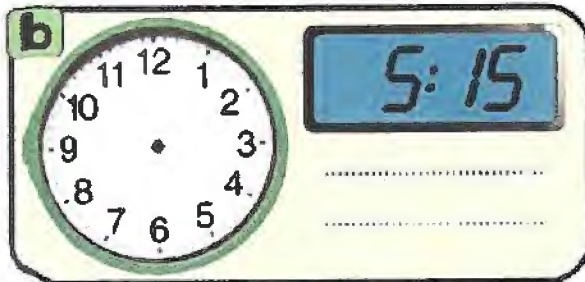
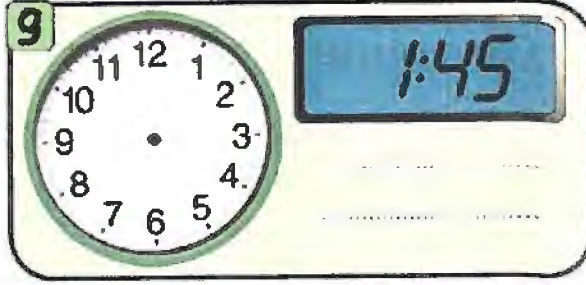
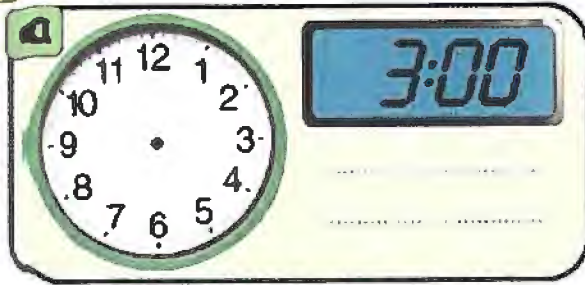
Analog Clock



Digital Clock



2 Complete :





1 Complete the following :

a 2 hours = + = minutes

b An hour and a half = + = minutes

c An hour and a third = + = minutes

d An hour and a quarter = + = minutes

e An hour and 25 minutes = + = minutes

f An hour and 10 minutes = + = minutes

g 2 hours and a half = + = minutes

h 2 hours and a third = + = minutes

i 2 hours and a quarter = + = minutes

j 2 hours and 20 minutes = + = minutes

k 2 hours and 55 minutes = + = minutes

l 75 minutes = hours + minutes

m 80 minutes = hours + minutes

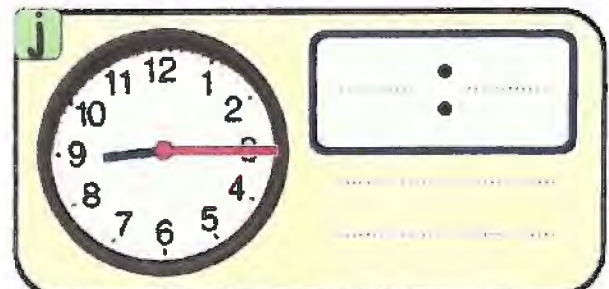
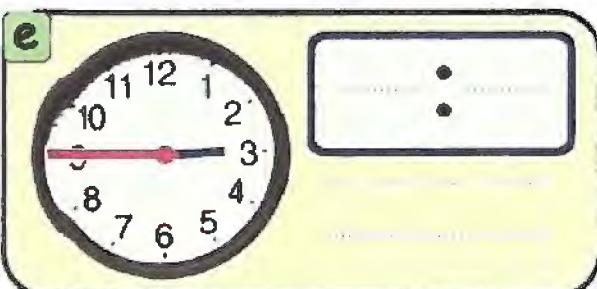
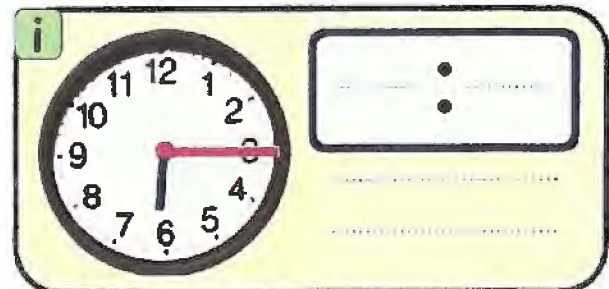
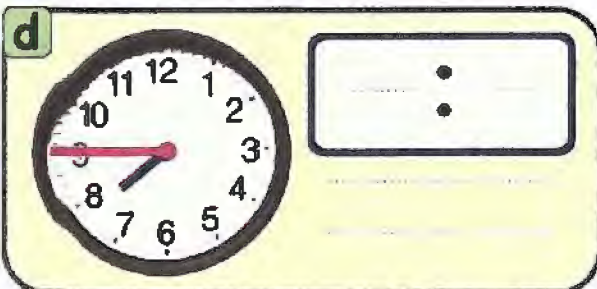
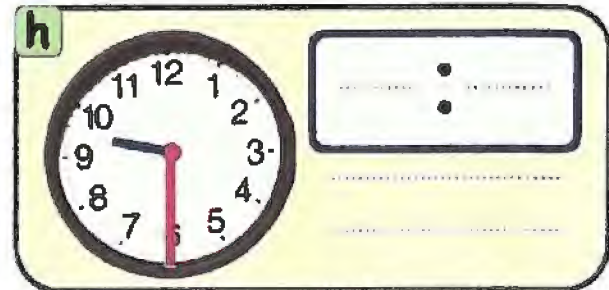
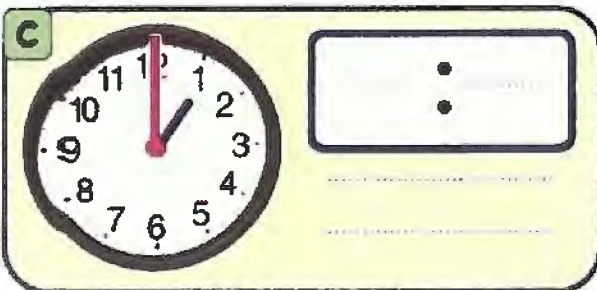
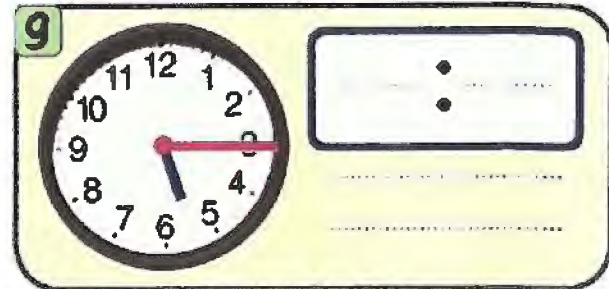
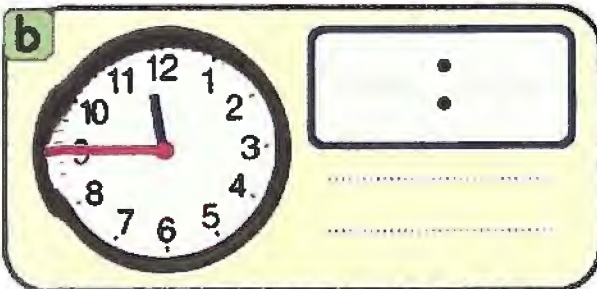
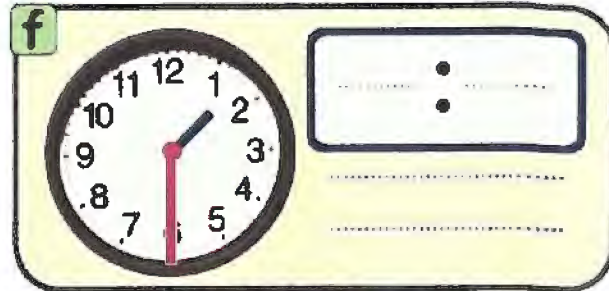
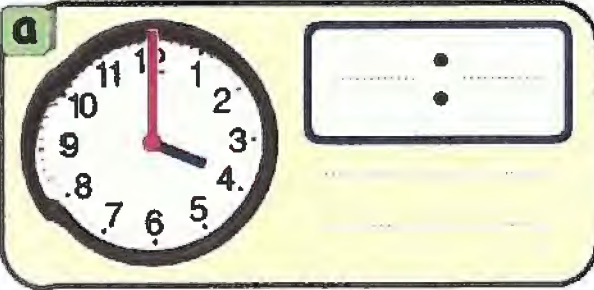
n 95 minutes = hours + minutes

o 100 minutes = hours + minutes

p 105 minutes = hours + minutes


q 130 minutes = hours + minutes

2 Complete :



3 Complete :

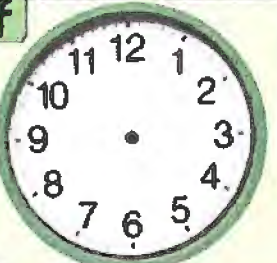
a



..... :

7 O'clock


f



..... :

half
past **6**


b



..... :

Quarter
past **6**


g



..... :

Quarter
to **12**


c



..... :

Half
past **11**


h



..... :

half
past **9**


d



..... :

Quarter
to **4**


i



..... :

12 O'clock


e



..... :

Quarter
to **3**

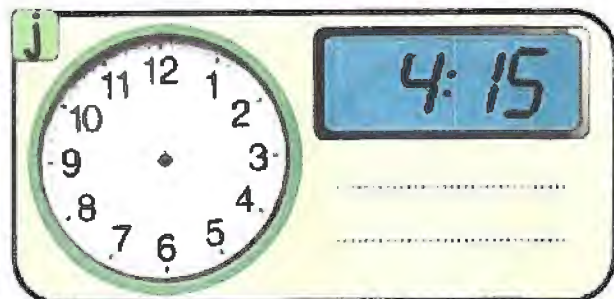
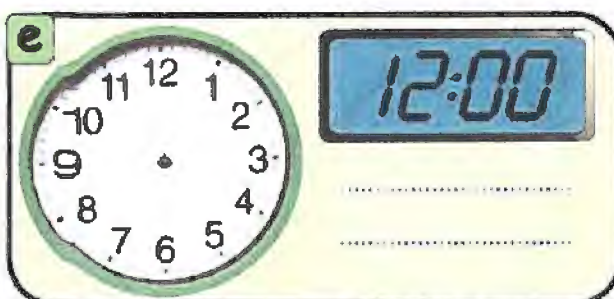
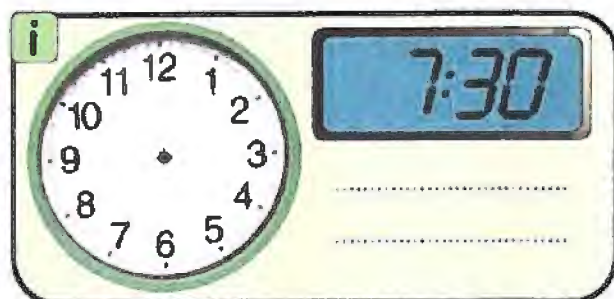
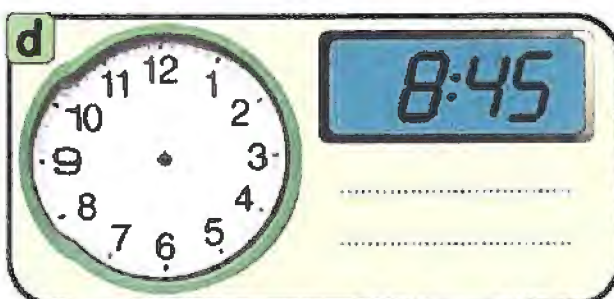
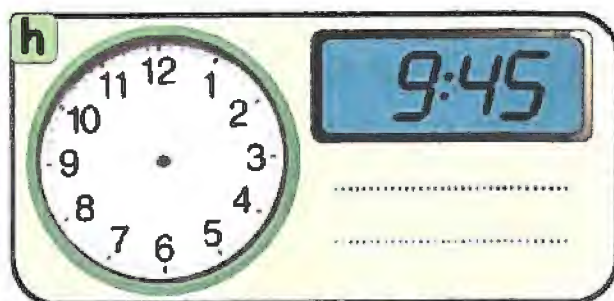
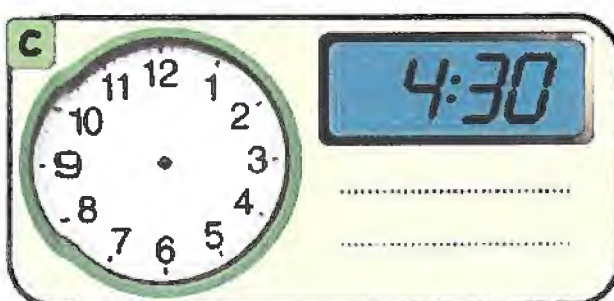
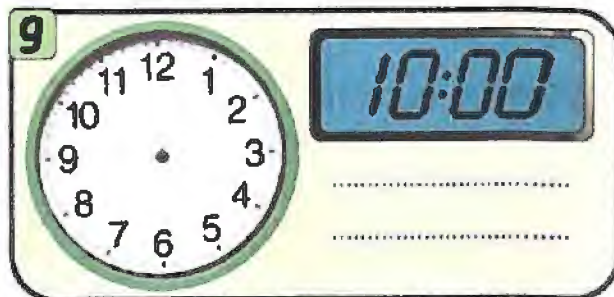
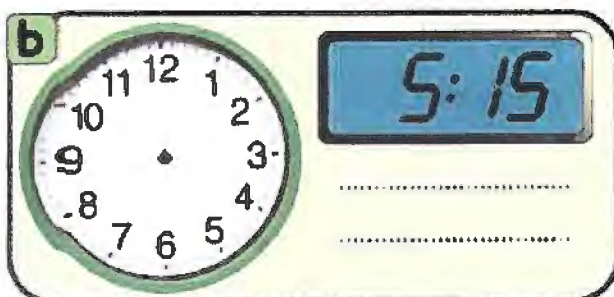
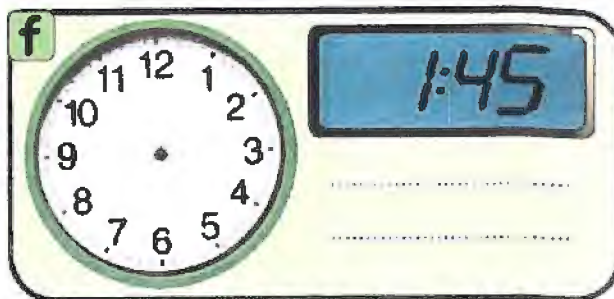
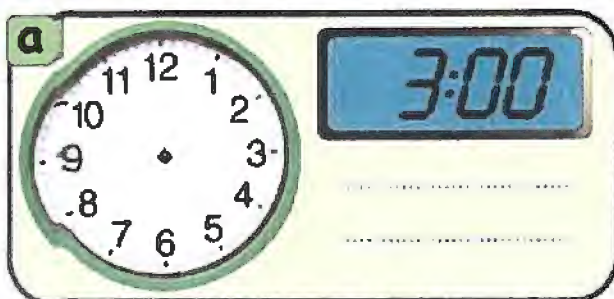
j



..... :

Quarter
past **8**

4 Complete :



Sheet 1

First Choose the correct answer

- a** 2 hours and a half = minutes (90 or 120 or 150)
b $72 \div \dots = 9$ (8 or 7 or 9)
c The value of the digit 6 in the number 36 987 is
 (60 000 or 6 000 or 600)
d $9 + 9 = \dots$ (6×3 or $9 + 2$ or 9×9)
e 310 thousands + 5 hundreds + 15 ones =
 (310 605 or 310 155 or 310 515)

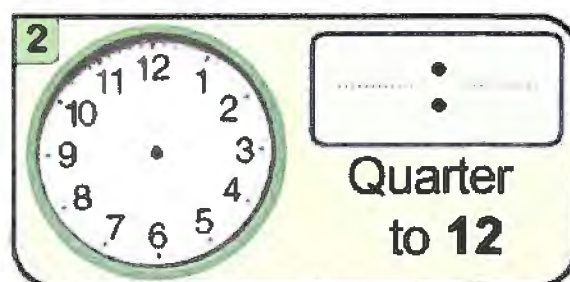
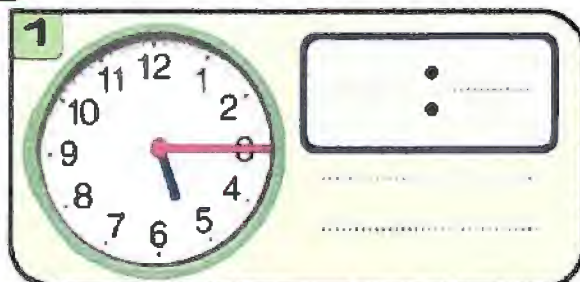
Second Complete the following

- a** 100 minutes = hours + minutes
b $6 \times 6 = \dots + \dots + \dots + \dots$
c $\dots \div 9 = 6$
d Nine hundred and nine thousands =
e ☆ □ , ☆ □ , ☆ □ , ,

Third Answer the following

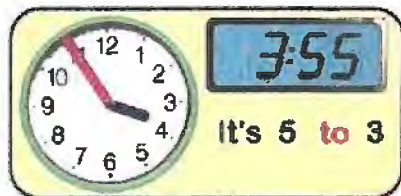
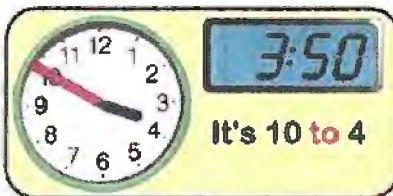
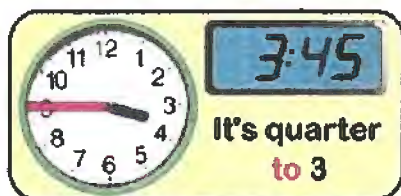
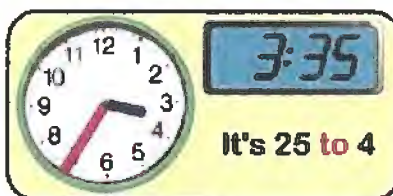
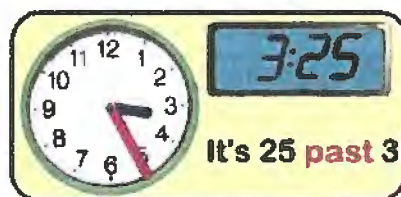
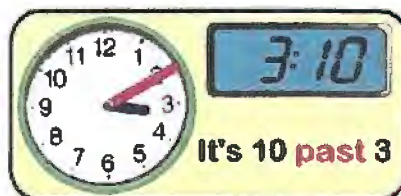
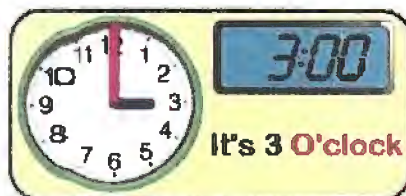
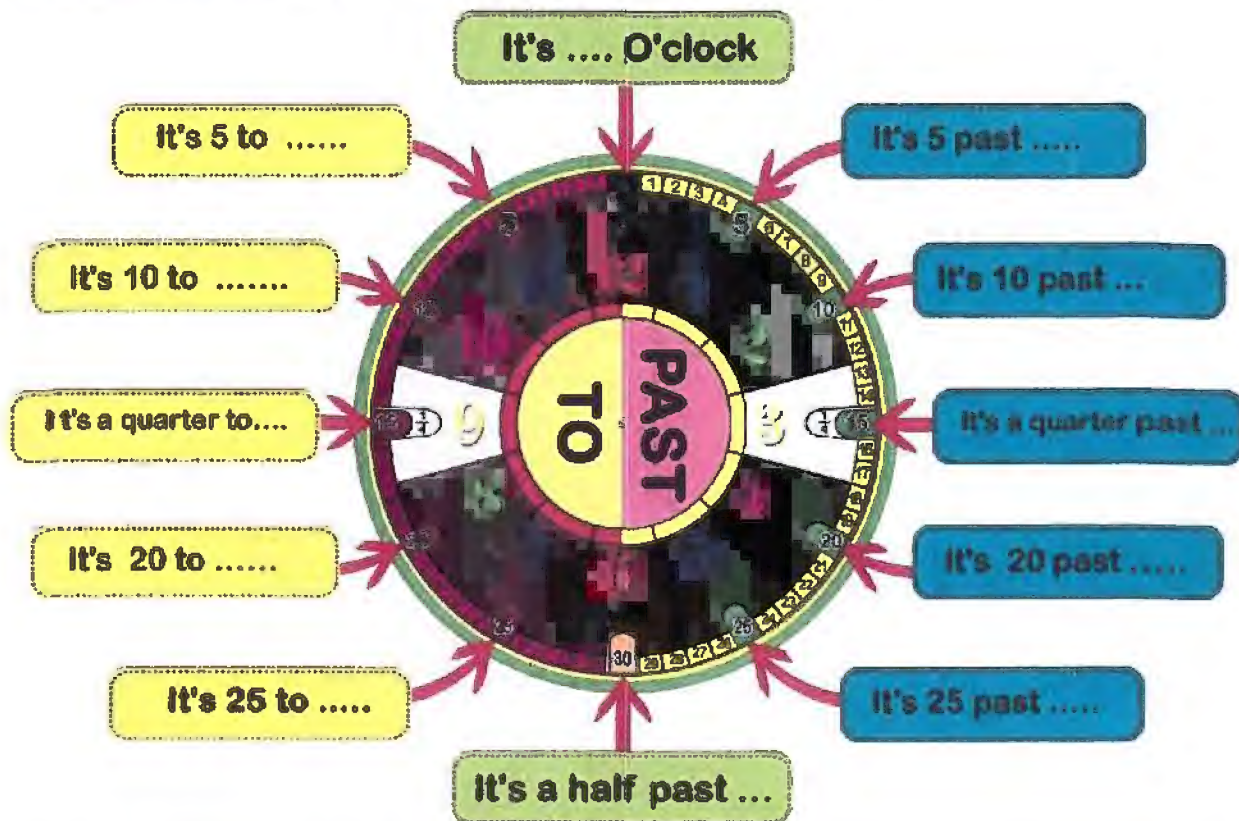
- a** Find the result :
 (1) $5\,687 + 223 = \dots$ (2) $6 \overline{)42}$ (3) $\frac{64}{8} = \dots$
b Arrange the following numbers in an ascending order .
 99 999 , 10 000 , 98 765 , 100 000 , 10 234
 , , , ,

c Complete :

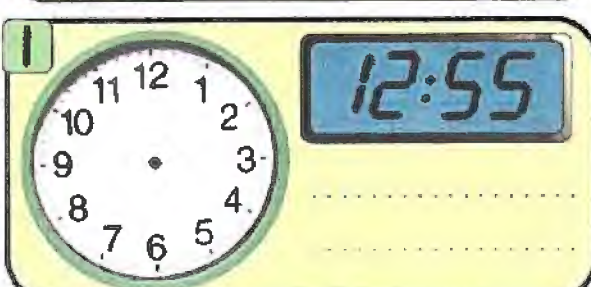
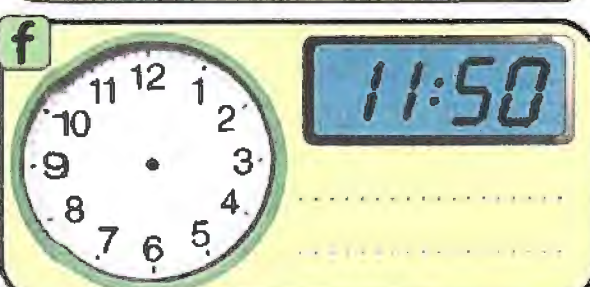
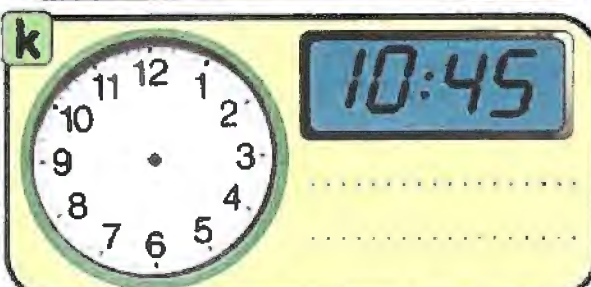
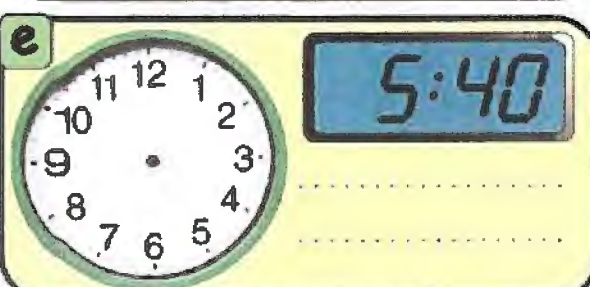
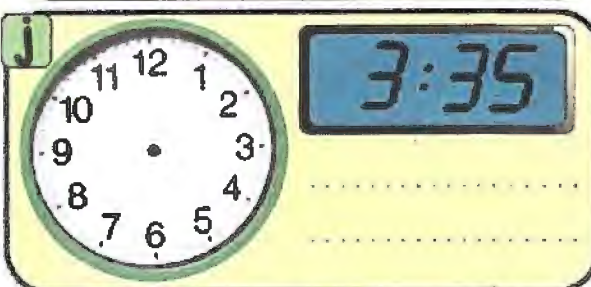
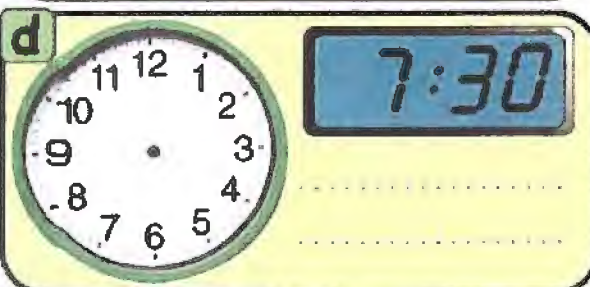
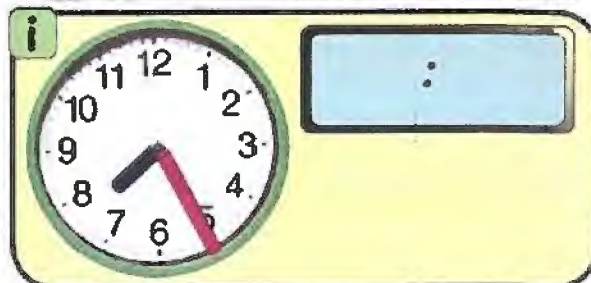
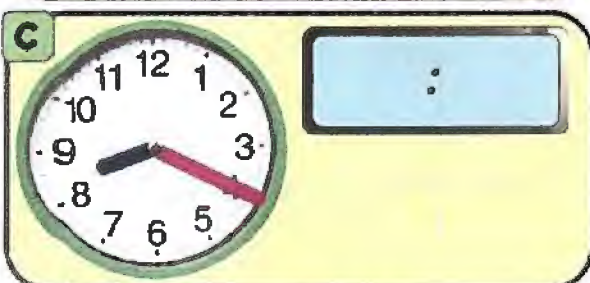
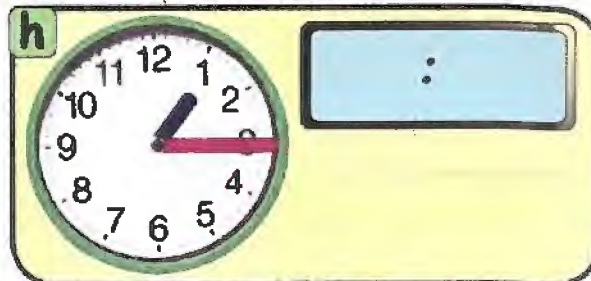
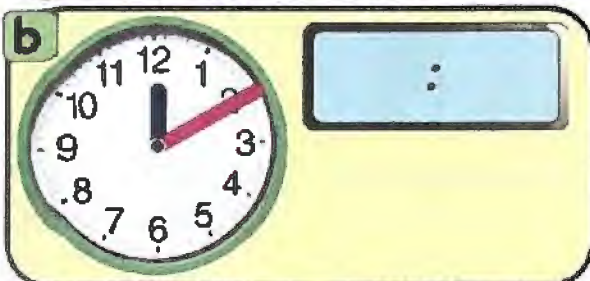
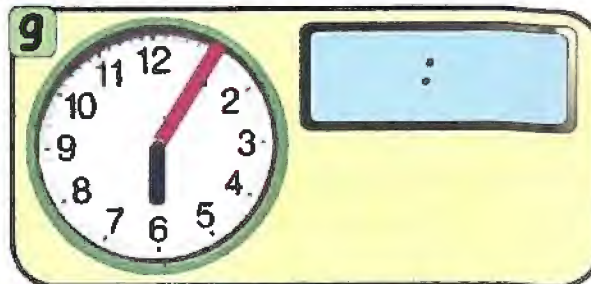
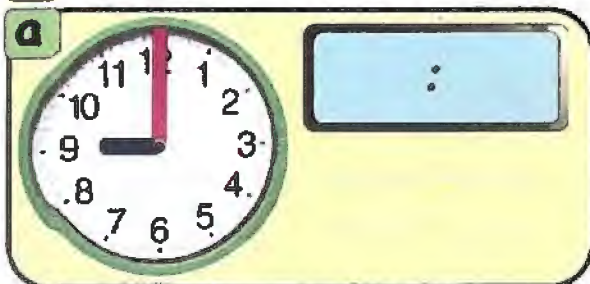


LESSON 2

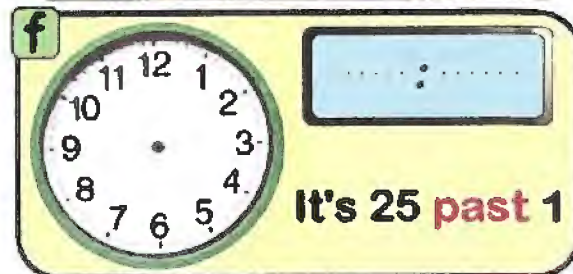
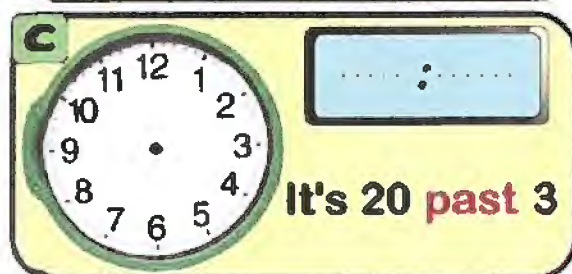
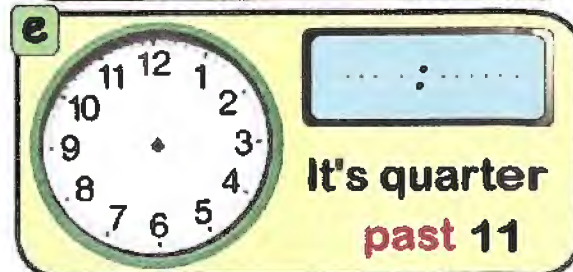
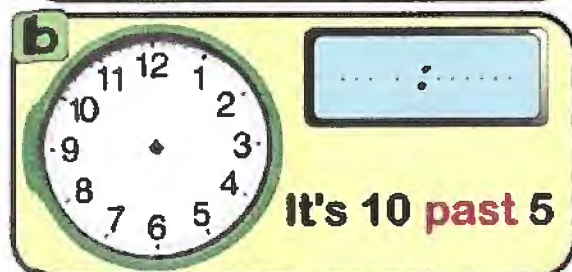
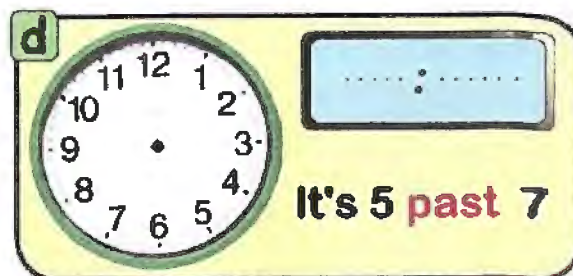
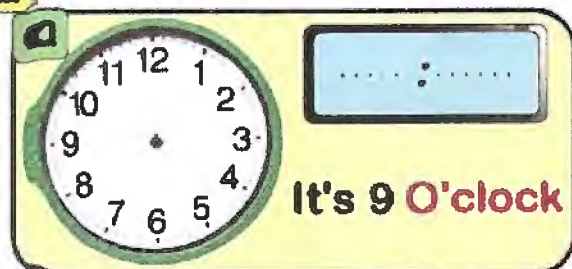
Telling the time



1 Write the time shown by the clock :



2 Complete the following



- 3** You leave school at 3:00 and when you get home the clock looks like this :

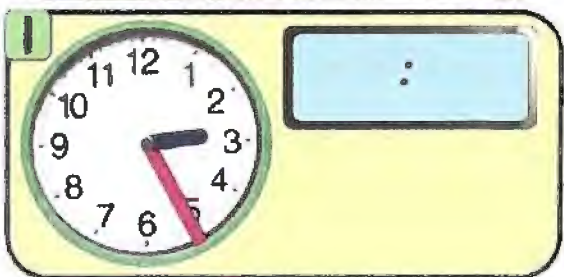
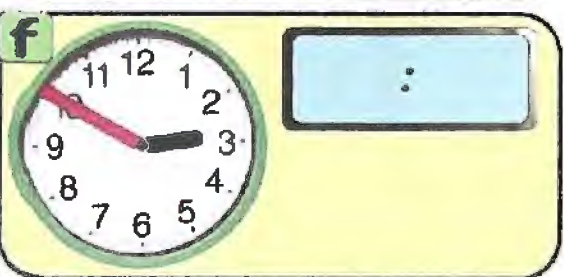
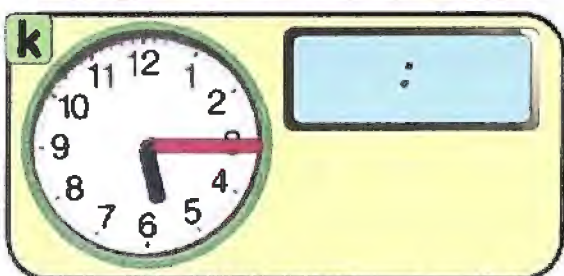
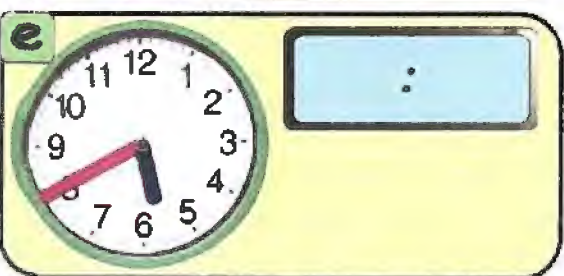
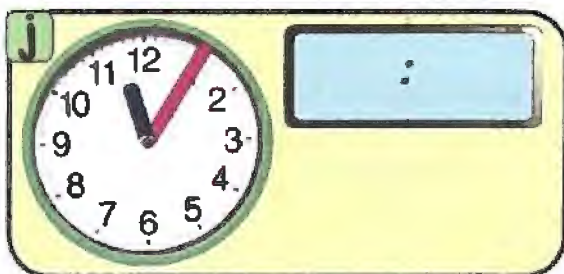
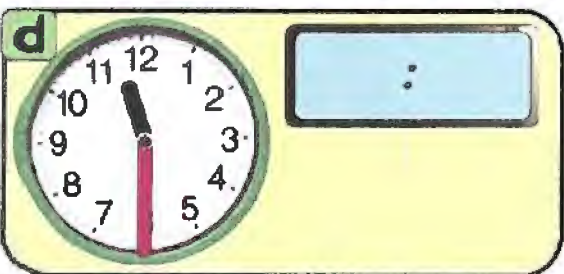
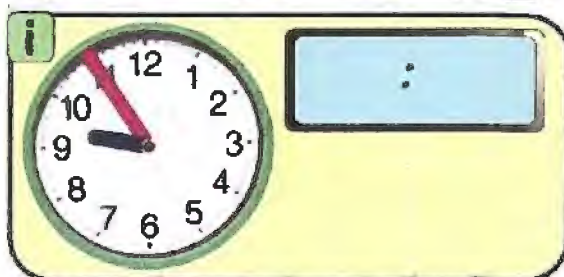
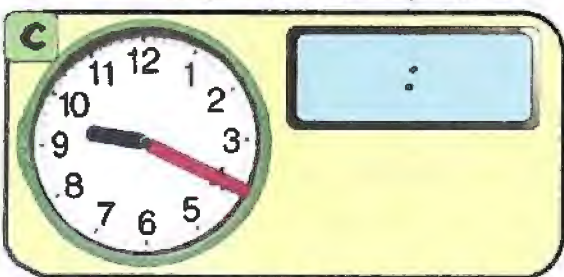
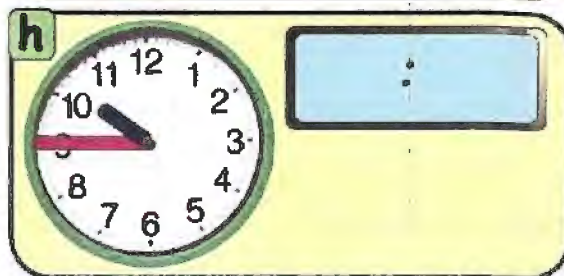
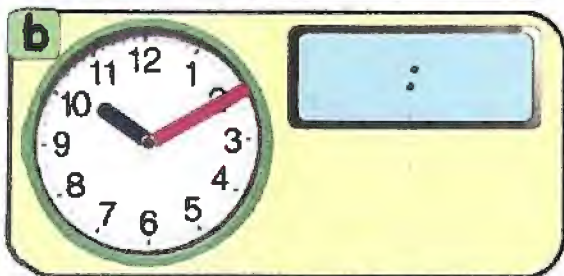
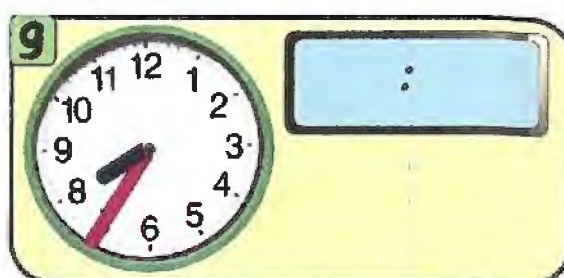
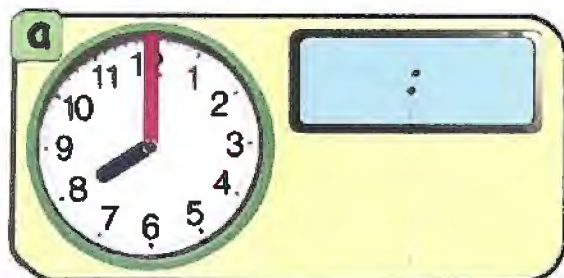


How many minutes did it take you to walk home ?

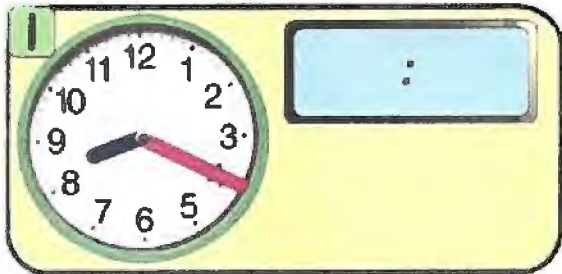
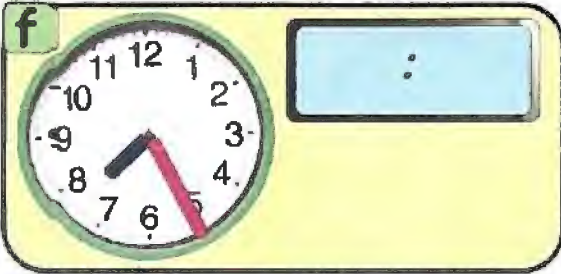
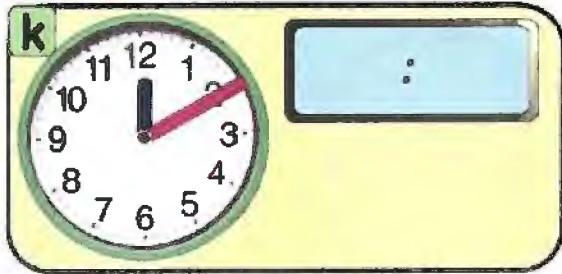
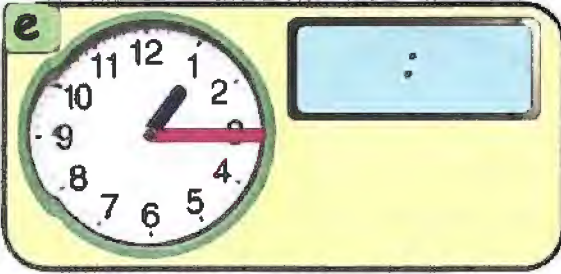
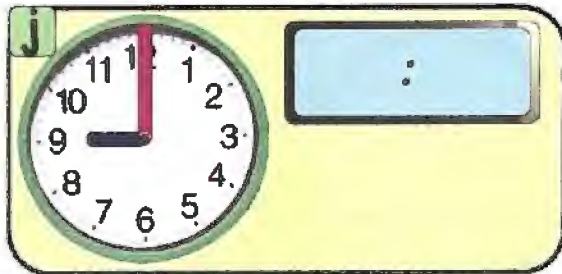
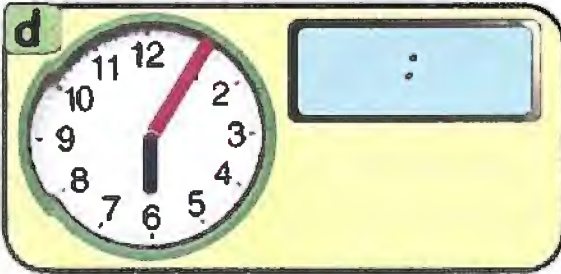
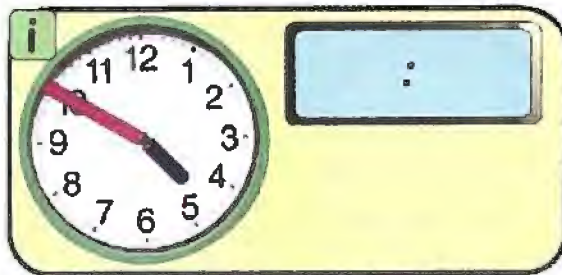
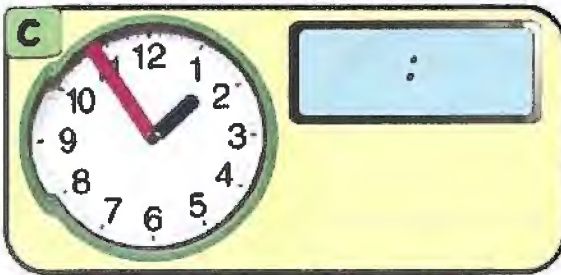
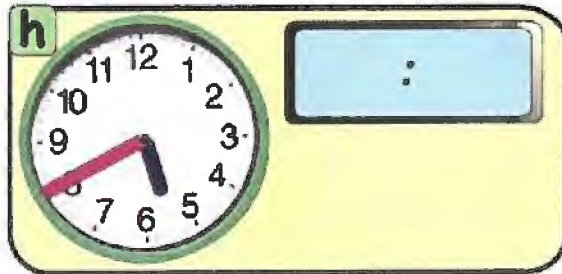
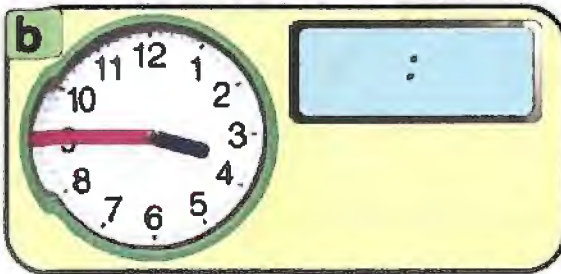
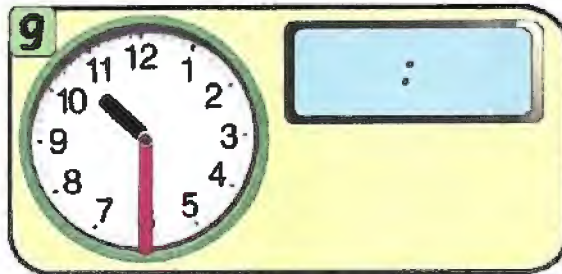
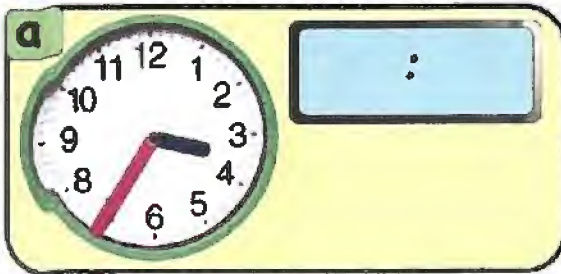
- 4** If it takes you 45 minutes to walk home from school and you leave at 3:00, what time will it be when you get home? Draw the time on the clock.



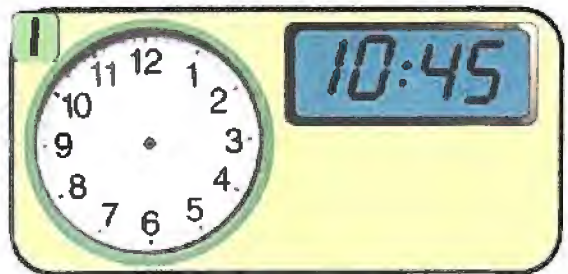
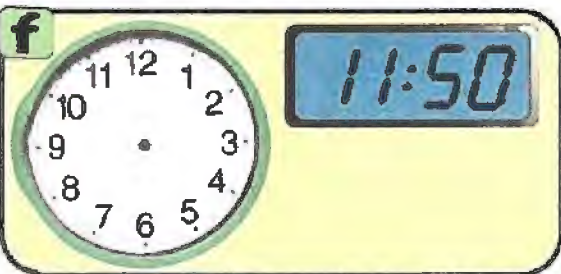
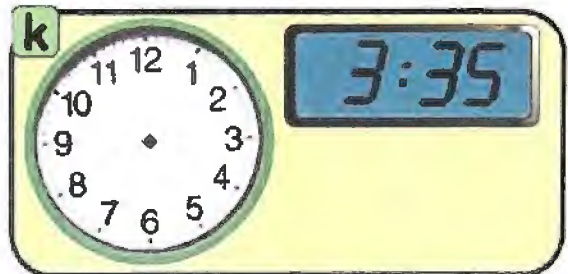
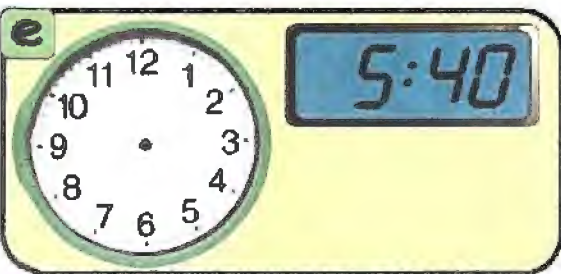
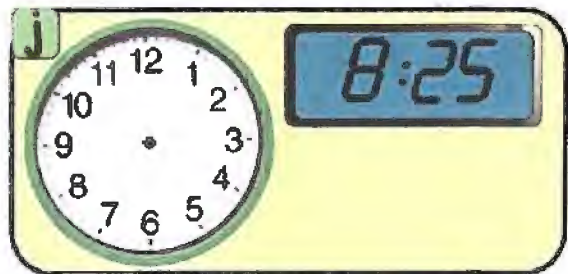
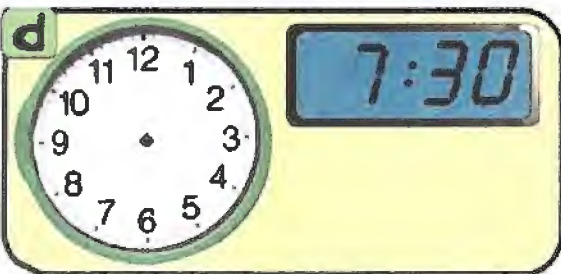
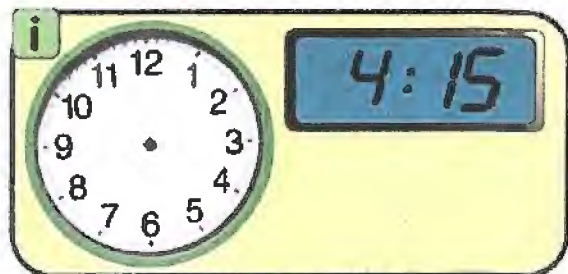
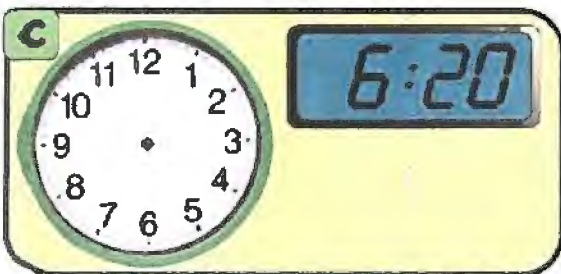
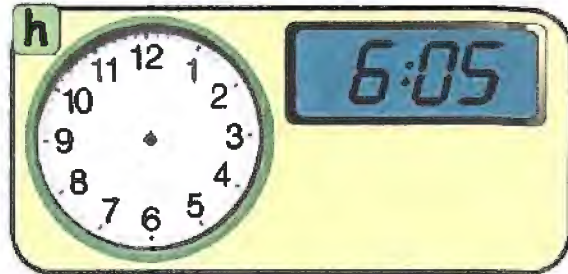
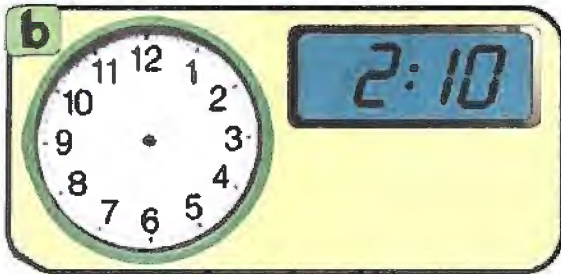
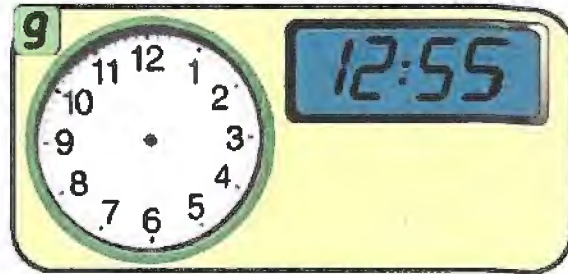
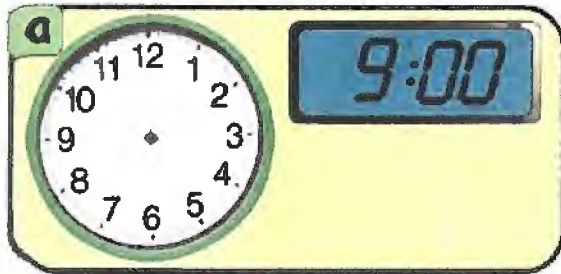
Write the time shown by the clock :

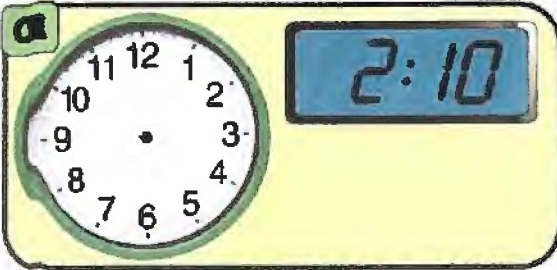
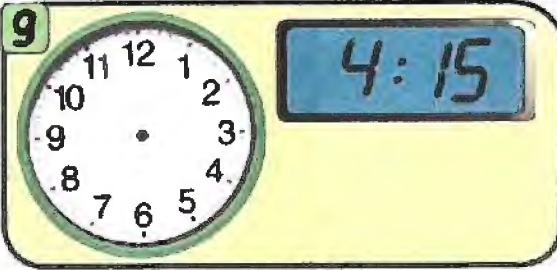
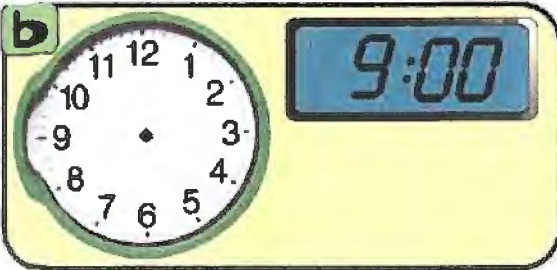
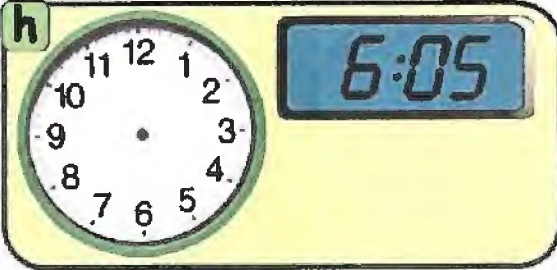
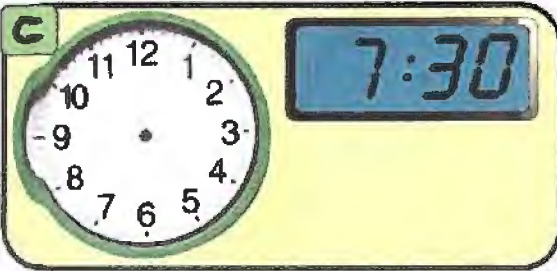
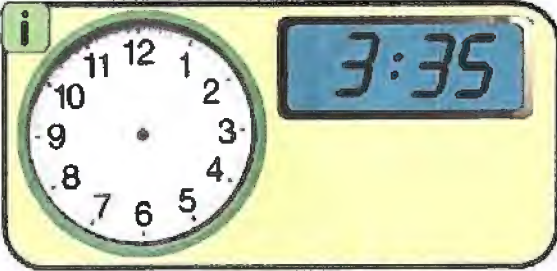
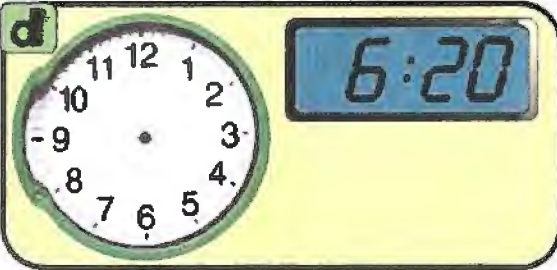
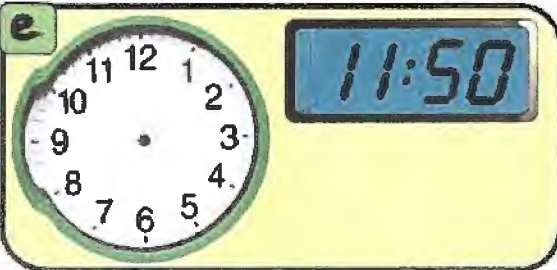
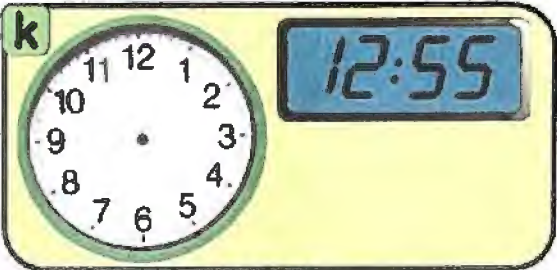
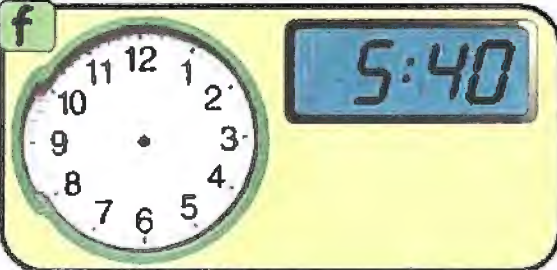
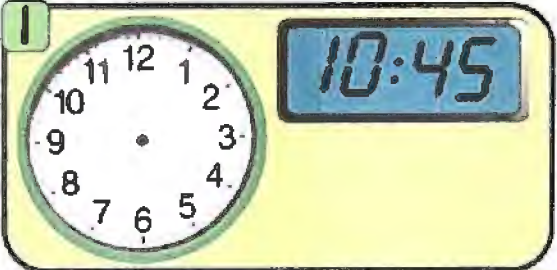


2 Write the time shown by the clock :




3 Write the time shown by the clock :




4 Write the time shown by the clock :**a****g****b****h****c****i****d****j****e****k****f****l**

5 Complete the following




It's 10 **past** 5




It's quarter **past** 11




It's 9 **O'clock**




It's 5 **past** 7




It's half **past** 2




It's 25 **to** 4




It's 20 **past** 3




It's 25 **past** 1



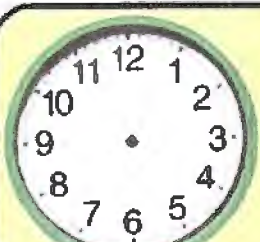
It's 10 **to** 10



It's 5 **to** 12



It's 20 **past** 6



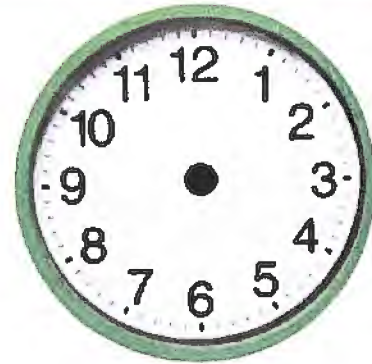
It's quarter **to** 8

- 6** You leave school at 3:00 and when you get home the clock looks like this :



How many minutes did it take you to walk home ?

- 7** If it takes you 45 minutes to walk home from school and you leave at 3:00, what time will it be when you get home? Draw the time on the clock.

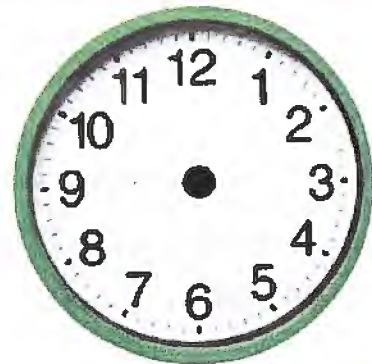


- 8** Your mom puts muffins in the oven at 7:00. When you take them out, the clock looks like this:



How many minutes did it take to bake the muffins ?

- 9** If Ahmed takes 30 minutes to go to the club from home and leave at 8:00, at any time will he be when he arrives at the club? Draw the time on the clock.





First Choose the correct answer

- a** $3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = \dots$ (3×3 or $3 + 8$ or 4×6)
- b** $720\ 072 = 72 + \dots$ ($720\ 000$ or $7\ 200$ or 720)
- c** $50 \times 8 = 10 \times \dots$ (400 or 40 or 4)
- d** The value of the digit 3 in the number 35 689 is
($300\ 000$ or $30\ 000$ or $3\ 000$)
- e** The largest 5-digit number is
($10\ 000$ or $98\ 765$ or $99\ 999$)

Second Complete the following

- a** The number that comes right after 60 099 is
- b** $8 \times 5 + 8 \times 10 = 8 \times \dots$
- c** An hour + 40 minutes = minutes
- d** $\div 8 = 6$
- e** 60 020 (In word form) :

Third Answer the following

- a** Arrange the following numbers in an ascending order .

2 458 , 6 854 , 8 214 , 1 024 , 4 325

.....,,,,

- b** Each T-shirt costs LE 70 , How much do 9 T-shirts cost ?

.....

.....

- c** The time is now 7:00,
what time is after 40 minutes
Draw the time on the clock.

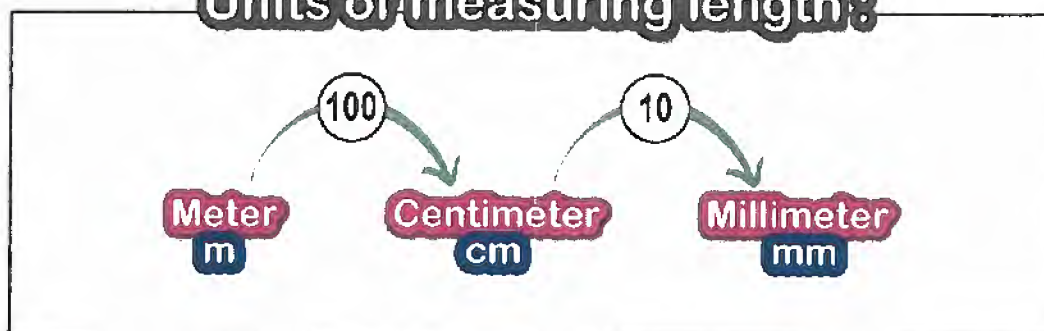


LESSON

3

The length

Units of measuring length:



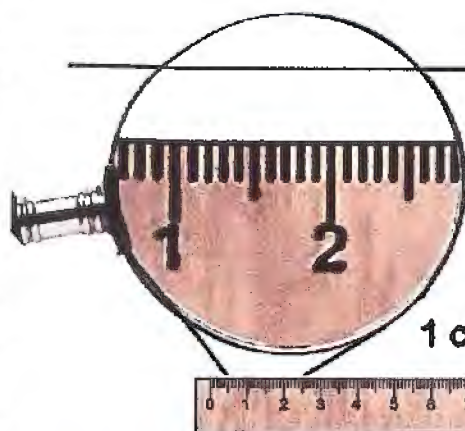
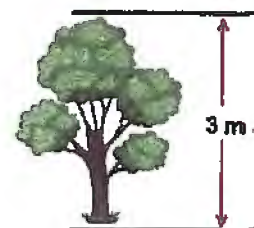
Millimeter
(mm.) is used to measure
very small things,
such as small insects



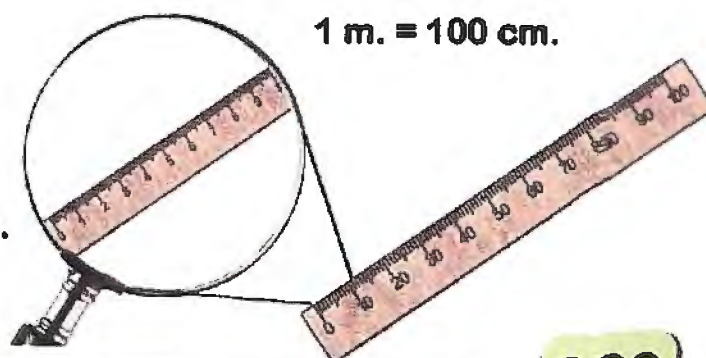
Centimeter
(cm.) is used to measure
small things,
such as pens and books ...



Meter
(m.) is used to measure
tall objects,
such as trees and buildings ...



1 cm. = 10 mm.

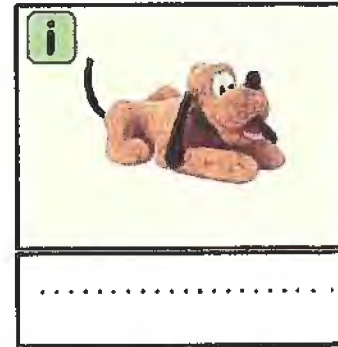
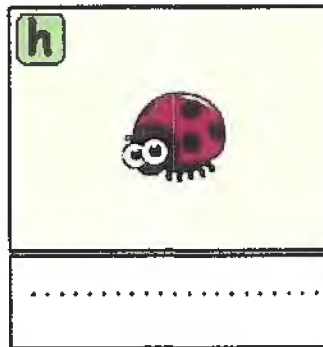
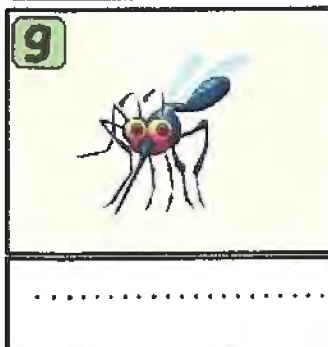
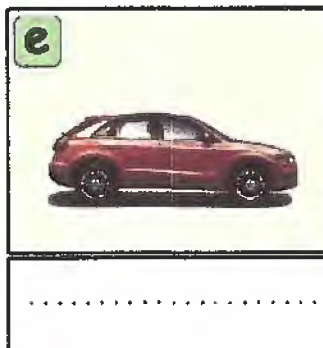
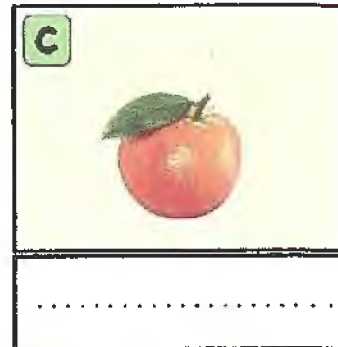
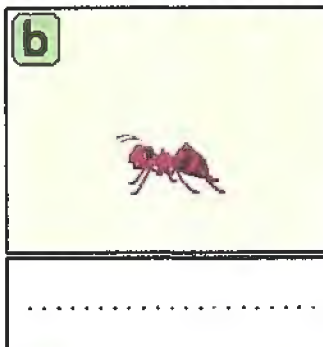
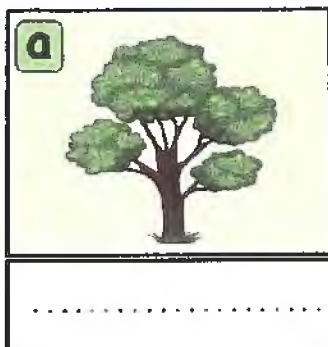


1 m. = 100 cm.

1 See the pictures below. Determine what is the appropriate unit of length for measuring these things :

[millimeter (**mm**) , centimeter (**cm**) or meters (**m**).]

Then write it under the picture



2 Complete :

a 5 cm = mm.

c 7 m = cm

b 60 mm = cm

d 700 cm = m.

e 8 cm + 5 mm = + = mm.

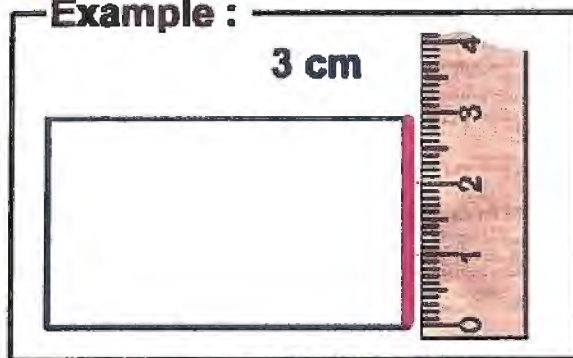
f 5 m + 40 cm = + = cm.

g 162 mm = cm + mm.

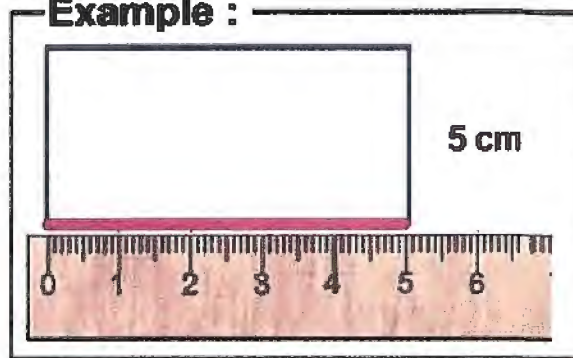
h 270 cm = m + cm.

3 Measure the red side length using the ruler :

Example :



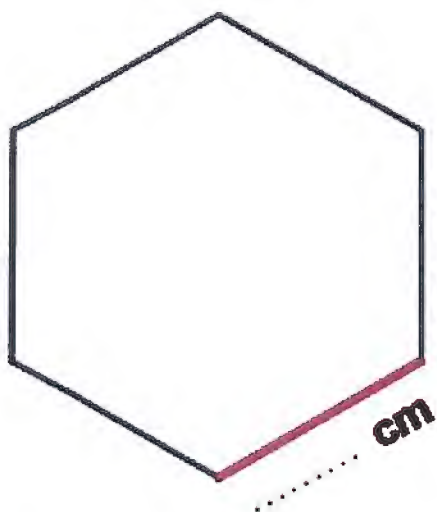
Example :



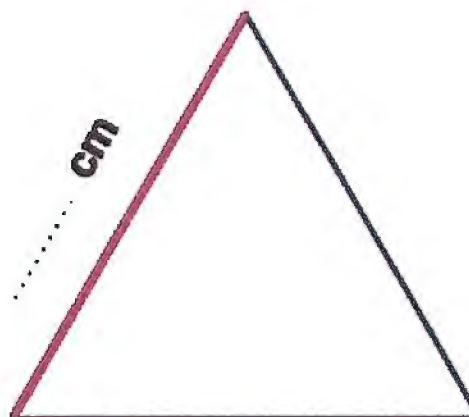
..... cm



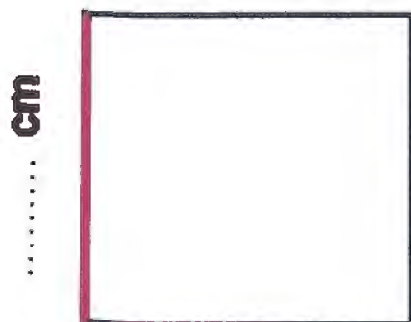
..... cm



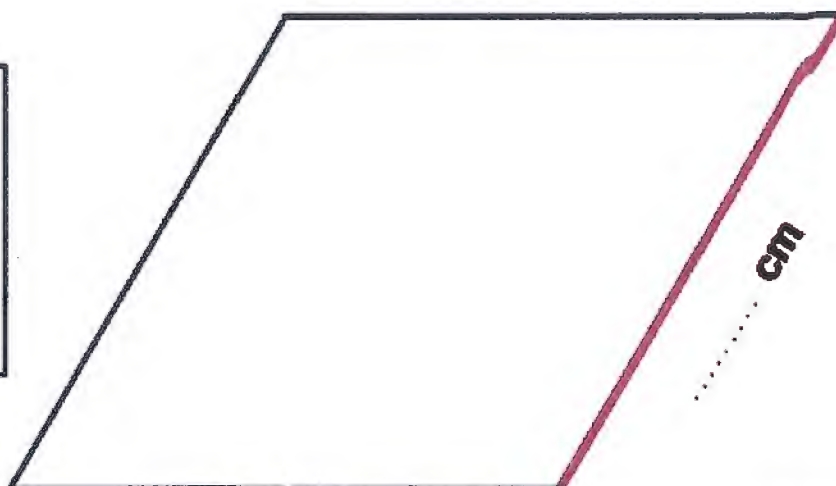
..... cm



..... cm



..... cm



















..... cm

1 See the pictures below. Determine what is the appropriate unit of length for measuring these things :

[millimeter (**mm**) , centimeter (**cm**) or meters (**m**).]

Then write it under the picture

<p>a</p> 	<p>b</p> 	<p>c</p> 	<p>d</p> 
<p>.....</p>	<p>.....</p>	<p>.....</p>	<p>.....</p>
<p>e</p> 	<p>f</p> 	<p>g</p> 	<p>h</p> 
<p>.....</p>	<p>.....</p>	<p>.....</p>	<p>.....</p>
<p>i</p> 	<p>j</p> 	<p>k</p> 	<p>l</p> 
<p>.....</p>	<p>.....</p>	<p>.....</p>	<p>.....</p>
<p>m</p> 	<p>n</p> 	<p>o</p> 	<p>p</p> 
<p>.....</p>	<p>.....</p>	<p>.....</p>	<p>.....</p>

2 Complete :

(1) $4 \text{ cm} = \dots\dots\dots \text{ mm}.$

(2) $5 \text{ cm} = \dots\dots\dots \text{ mm}.$

(3) $10 \text{ cm} = \dots\dots\dots \text{ mm}.$

(4) $80 \text{ mm} = \dots\dots\dots \text{ cm}$

(5) $60 \text{ mm} = \dots\dots\dots \text{ cm}$

(6) $600 \text{ mm} = \dots\dots\dots \text{ cm}$

(7) $700 \text{ mm} = \dots\dots\dots \text{ cm}$

(8) $6 \text{ m} = \dots\dots\dots \text{ cm}$

(9) $7 \text{ m} = \dots\dots\dots \text{ cm}$

(10) $12 \text{ m} = \dots\dots\dots \text{ cm}$

(11) $200 \text{ cm} = \dots\dots\dots \text{ m}.$

(12) $700 \text{ cm} = \dots\dots\dots \text{ m}.$

(13) $5\,000 \text{ cm} = \dots\dots\dots \text{ m}.$

(14) $4\,000 \text{ cm} = \dots\dots\dots \text{ m}.$

(15) $8 \text{ cm} + 5 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm}.$

(16) $6 \text{ cm} + 7 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm}.$

(17) $12 \text{ cm} + 8 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm}.$

(18) $5 \text{ m} + 40 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm}.$

(19) $2 \text{ m} + 25 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm}.$

(20) $20 \text{ m} + 12 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm}.$

(21) $67 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm}.$

(22) $95 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm}.$

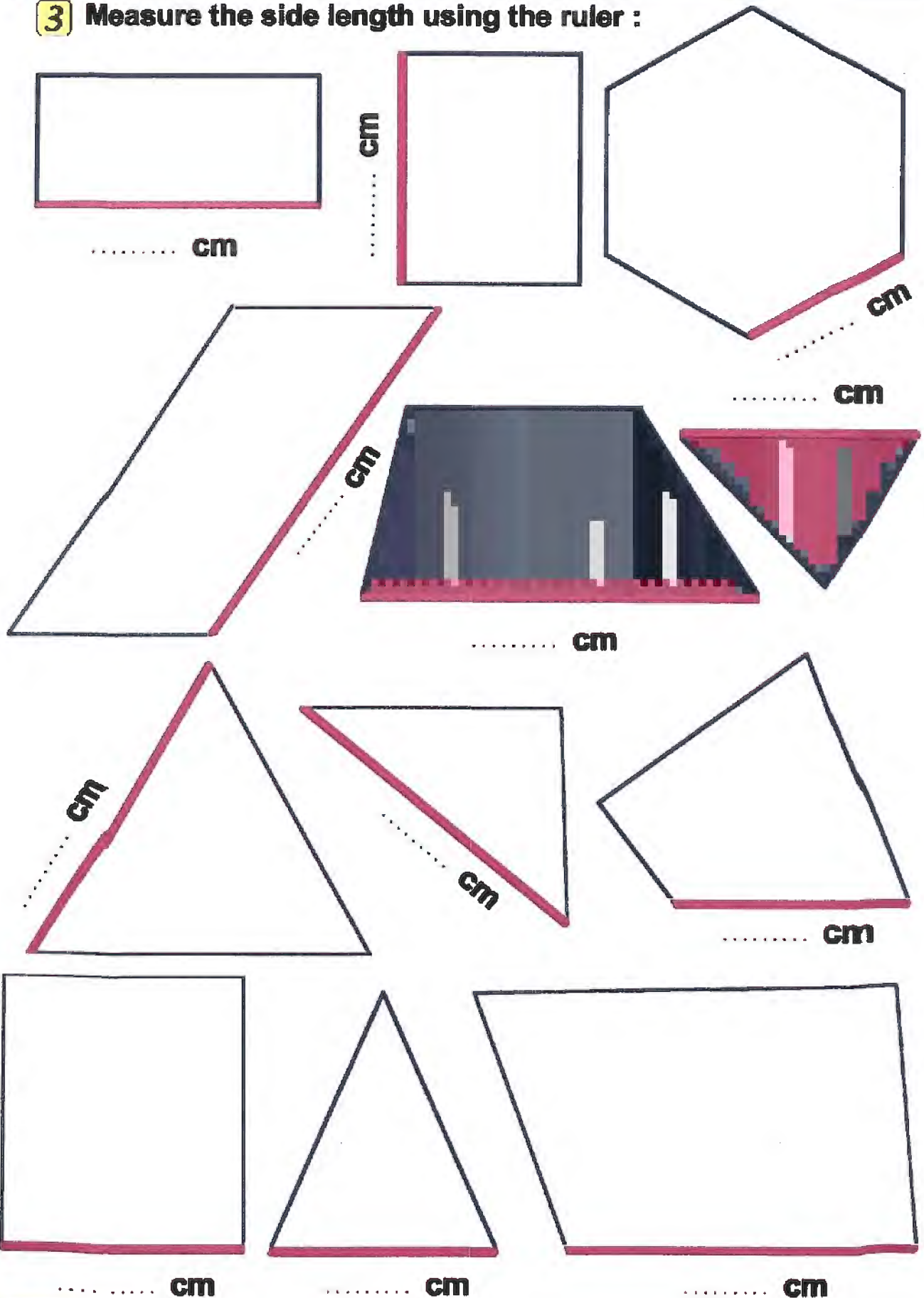
(23) $162 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm}.$

(24) $225 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm}.$

(25) $270 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm}.$

(26) $4\,550 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm}.$







3 Measure the side length using the ruler :



First Choose the correct answer

- a $10 \text{ cm} + 5 \text{ mm} = \dots\dots \text{ mm}$ (105 or 15 or 1 005)
- b $15 \text{ m} = \dots\dots \text{ cm.}$ (15 or 150 or 1 500)
- c $500 + 0 + 0 + 6 = \dots\dots\dots$ (500 006 or 50 006 or 50 6)
- d The number comes right after 30 999 is $\dots\dots\dots$
(31 000 or 30 100 or 31 999)
- e The largest 5-different- digit number is $\dots\dots\dots$
(99 999 or 98 765 or 10 234)

Second Complete the following

- a $205 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm}$
- b $15\,204 = \dots\dots \text{ thousands} + \dots\dots \text{ hundreds} + \dots\dots \text{ tens} + \dots\dots \text{ ones}$
- c The value of the digit 0 in the number 30 159 is $\dots\dots\dots$
- d Two hundred thousand and two (In digits) : $\dots\dots\dots$
- e   ,   ,   , $\dots\dots\dots$, $\dots\dots\dots$

Third Answer the following

- a Find the result :

(1) $859 + 141 = \dots\dots\dots$ (2) $700 - 125 = \dots\dots\dots$ (3) $45 \div 5 = \dots\dots\dots$

- b Complete using ($<$, $=$ or $>$) :

(1) $50 \text{ m} + 25 \text{ cm}$ 525 cm (2) 6×6 9×4

(3) $8 \text{ cm} + 5 \text{ mm}$ 805 cm (4) $18 \div 2$ $42 \div 7$

- c Arrange the following length in an ascending order :

5 cm , 50 m , 500 mm , 550 cm

$\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$

LESSON 4

**Two-dimensional shapes
(2D-shapes)**

Polygon

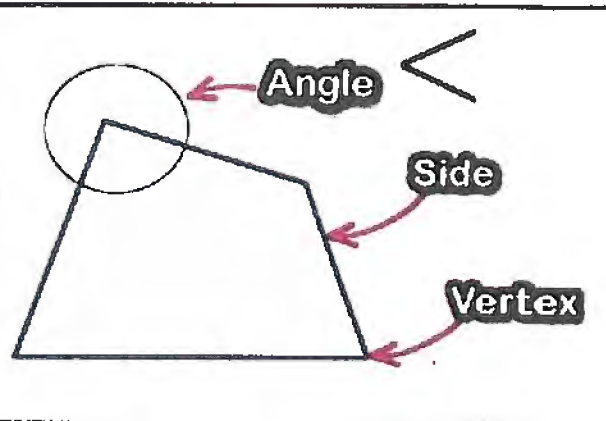
A closed shape formed from 3 line segments or more.



A polygon



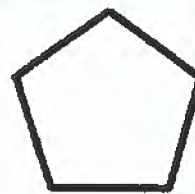
Not a polygon



Triangle
3 Sides



Quadrilateral
4 Sides



Pentagon
5 Sides



Hexagon
6 Sides



Heptagon
7 Sides



Octagon
8 Sides

In any polygon

the number of **sides** = the number of **angles** = the number of **vertices**

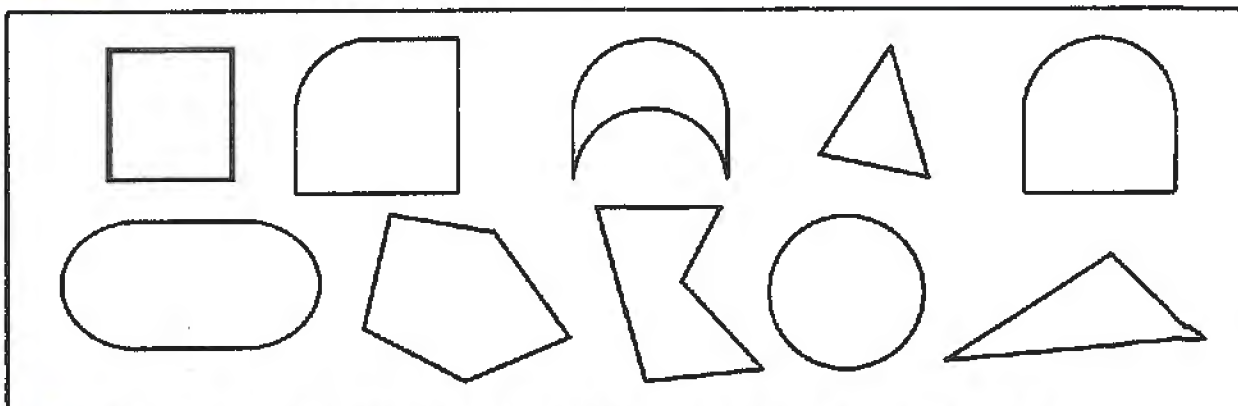
Regular Polygon



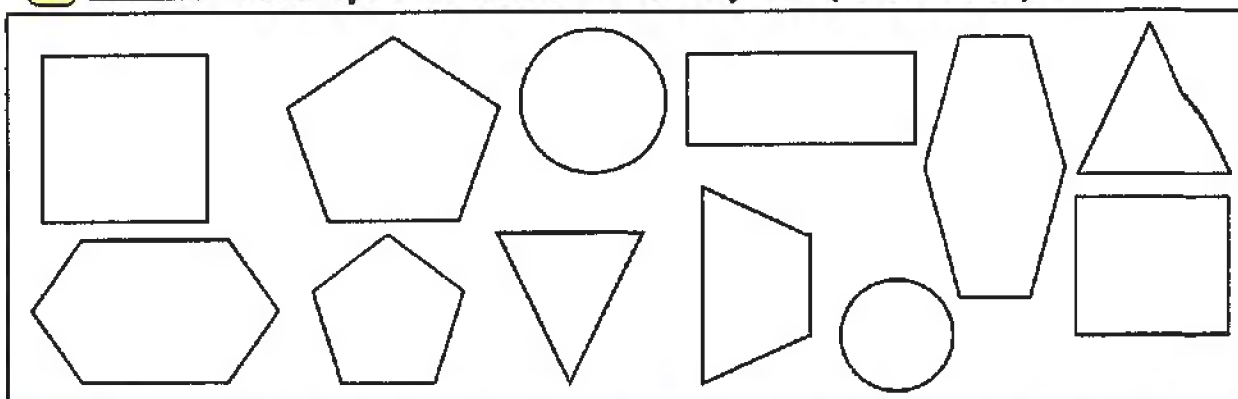
Irregular Polygon



1 Color only polygons :



2 Color The quadrilateral shapes (4 sides) :



3 Draw a shape with 5 sides



4 Draw a shape with 3 sides

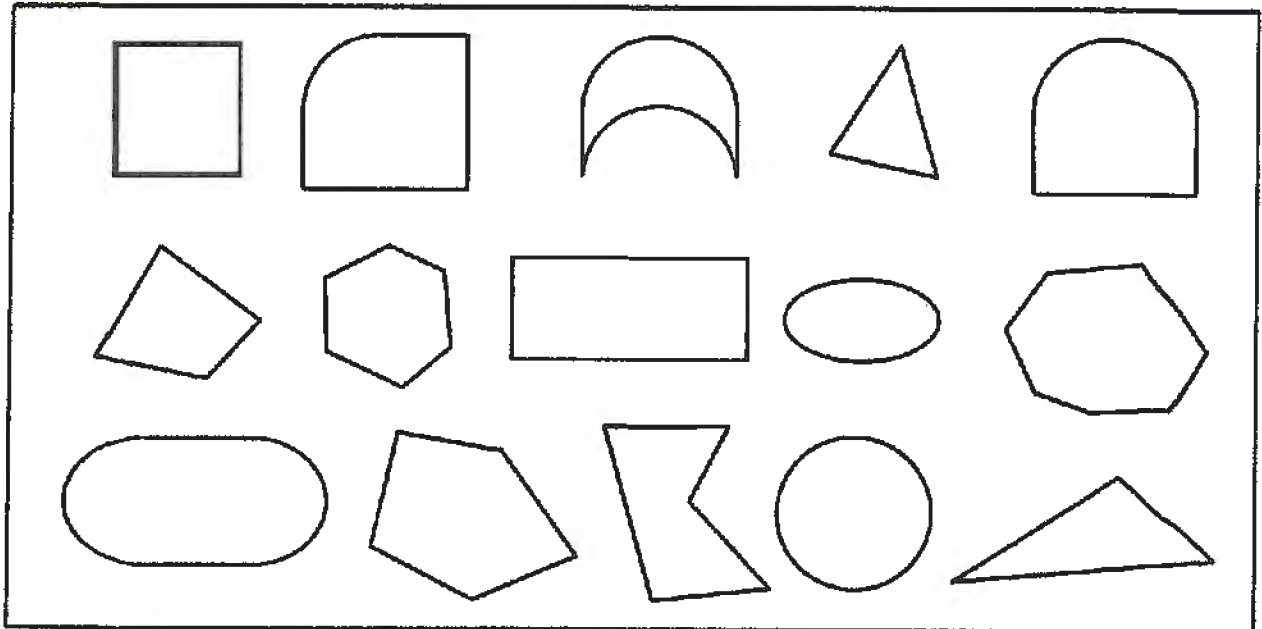


5 Complete :

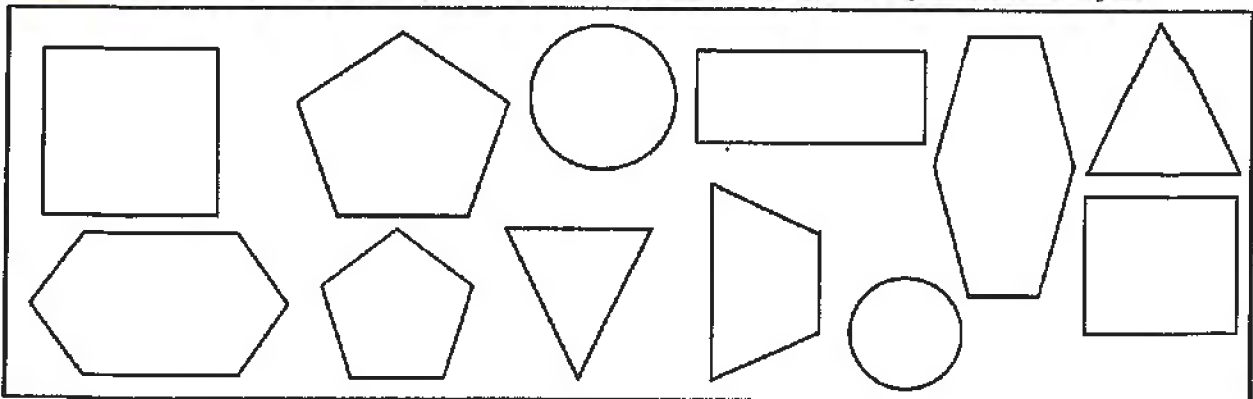
- a** The triangle has sides , angles and vertices.
- b** The has 5 sides and has 6 sides.
- c** The octagon has angles and the has 7 sides.
- d** The is a polygon that has 4 sides



1 Color only polygons :



2 a Color The quadrilateral shapes (4 sides) :



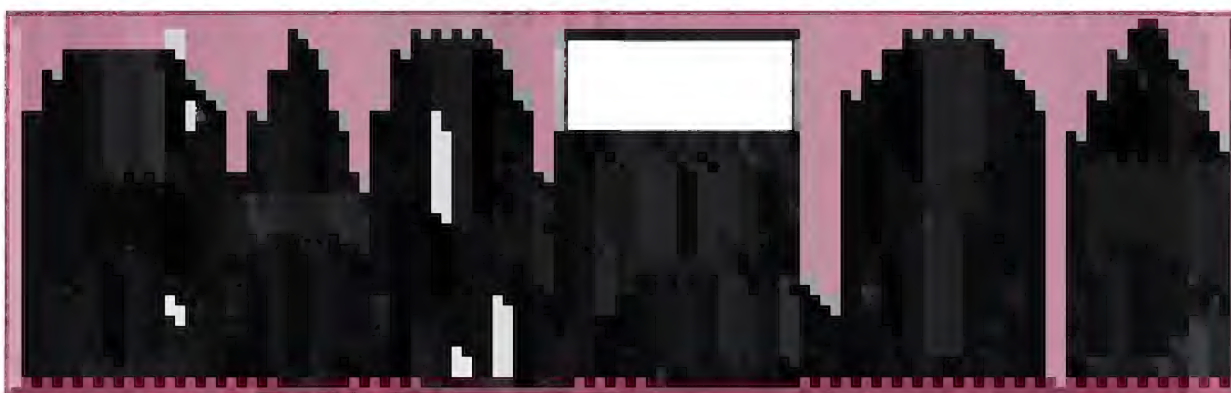
b Color the triangles (3 sides)



c Color the pentagon (5 sides)



d Color the pentagon (6 sides)



3 Draw a shape with 3 sides



4 Draw a shape with 4 sides



5 Draw a shape with 5 sides



6 Draw a shape with 6 sides



7 Complete :

- a** The triangle has sides , angles and vertices.
- b** The octagon has sides , angles and vertices.
- c** The pentagon has sides , angles and vertices.
- d** The hexagon has sides , angles and vertices.
- e** The has 5 sides and has 6 sides.
- f** The has 7 sides and has 3 sides.
- g** The octagon has angles and the has 7 angles
- h** The triangle has angles and the has 4 angles

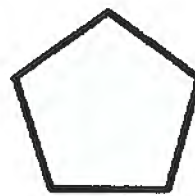
8 Write down the name of each polygon



.....



.....



.....



.....



.....



.....

First Choose the correct answer

- a 10 thousands + 10 hundreds + 10 tens =
(101 010 or 11 100 or 10 110)
- b $8 + 8 + 8 + 8 = \dots\dots\dots$ (8×8 or $8 + 4$ or 8×4)
- c The quadrilateral has sides (3 or 4 or 5)
- d $50 \text{ cm} + 5 \text{ mm} = \dots\dots\dots \text{ mm}$ (505 or 55 or 10)
- e An hour + 10 minutes = minutes (110 or 130 or 70)

Second Complete the following

- a The polygon that has 5 angles is called
- b 150 minutes = hours + minutes .
- c $2015 \text{ cm} = \dots\dots \text{ m} + \dots\dots \text{ cm}$
- d The smallest 5-digit number that can be formed from the digit (3 , 8 and 7) is
- e 70 , 63 , 56 , 49 , , ,

Third Answer the following

- a Find the result :

(1) $456 + 234 = \dots\dots\dots$ (3) $40 \times 8 = \dots\dots\dots$

(2) $6\,000 - 125 = \dots\dots\dots$ (4) $56 \div 7 = \dots\dots\dots$

- b Write the time shown in the clock :



- c Each pen cost LE 9 . How many pens can you buy for LE 63 ?

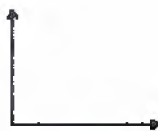
LESSON 5

Quadrilaterals

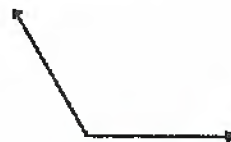
Types of angles



Acute angle



Right angle



Obtuse angle

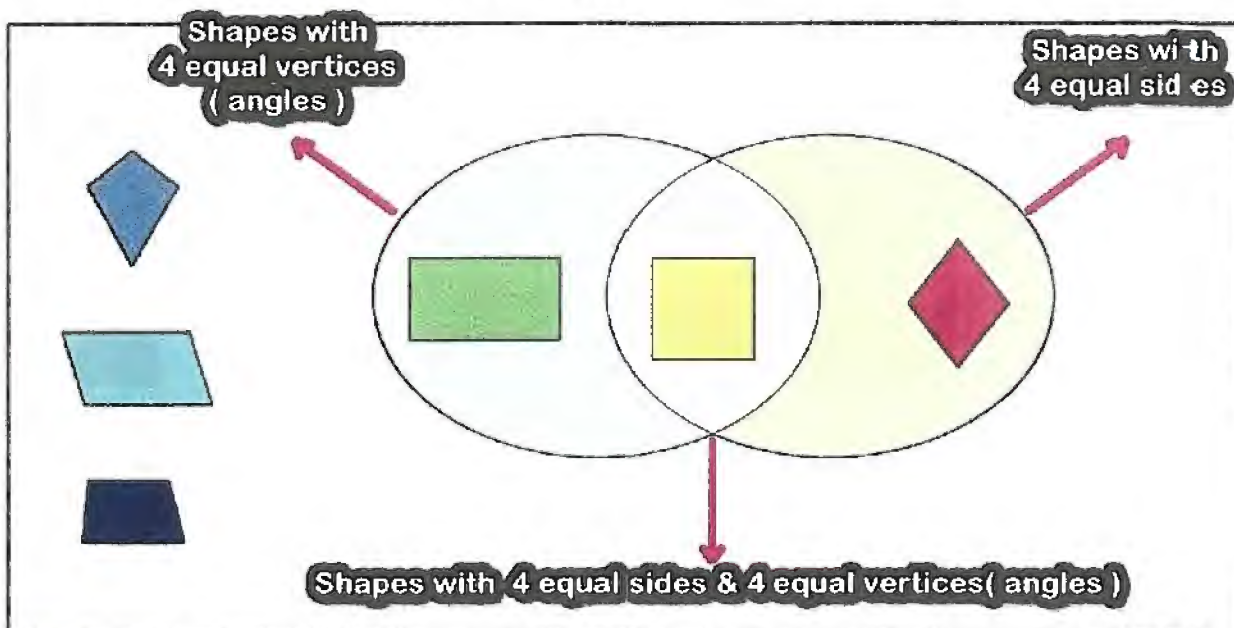


Straight angle

Quadrilateral	Properties	
	Sides	Angles
 Parallelogram	Each Two opposite sides are equal and parallel	Each two opposite angles are equal
 Rectangle	Each Two opposite sides are equal and parallel	All angles are equal each angle is right angle
 Square	Each Two opposite sides are parallel All sides are equal	All angles are equal each angle is right angle
 Rhombus	Each Two opposite sides are parallel All sides are equal	Each two opposite angles are equal
 Trapezium Trapezoid	Only one pair of opposite sides are parallel	
 Kite	Two pairs of adjacent sides are equal	One pair of opposite angles are equal

QUADRILATERAL is a polygon that has 4 sides , 4 vertices and 4 angles

Quadrilateral venn diagram:



1 Match each quadrilateral to its name :

Kite

Parallelogram

Trapezoid

Rectangle

Rhombus

square



2 Match each quadrant with a compatible property :

a Each two opposite sides are equal



b Each Two opposite angles are equal



c All sides are equal in length



3 Complete

- a** All sides are equal in and.....
- b** All angles are equal in and.....
- c** has only one pair of opposite sides are parallel.
- d** two pairs of adjacent sides are equal and one pair of opposite angles are equal

1 Write the name of each quadrilateral :



.....

.....

.....



.....

.....

.....

2 Match each quadrilateral to its name :

Kite

Parallelogram

Trapezoid

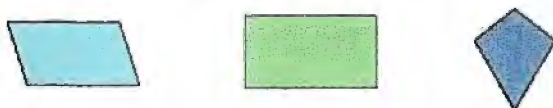
Rectangle

Rhombus

square

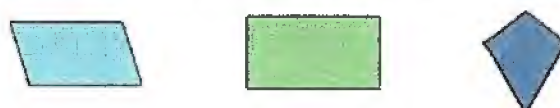


3 Match each quadrant with a compatible property :



a

Each Two opposite sides
are parallel and
All sides are equal



b

Each Two opposite sides
are equal and parallel



c

All angles are equal
each angle is right angle



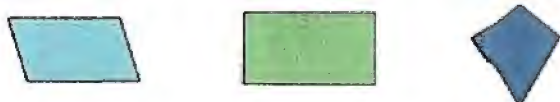
d

Each two opposite angles
are equal



e

One pair of opposite
angles are equal and
Two pairs of adjacent
sides are equal



f

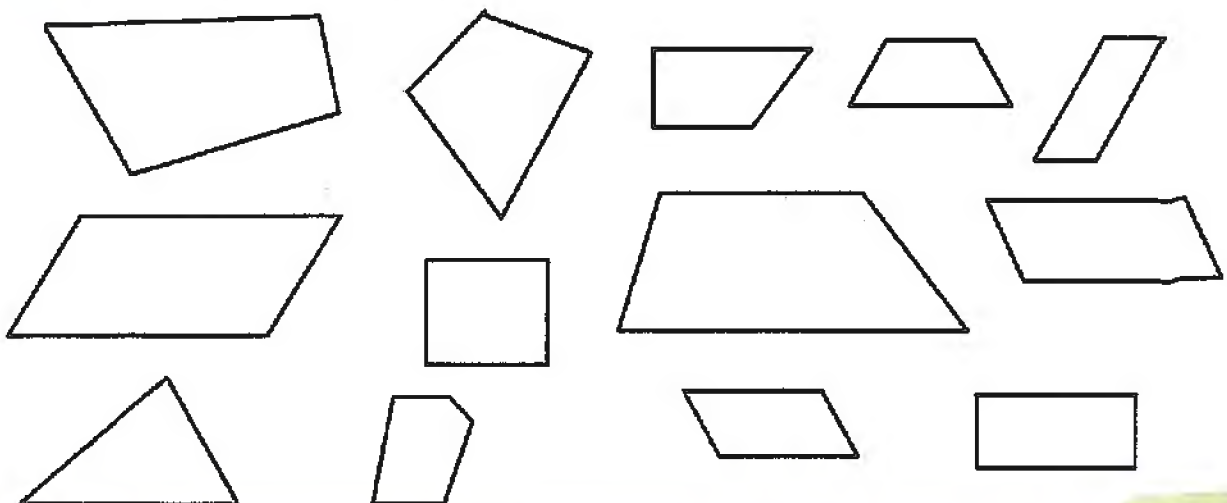
Only one pair of opposite
sides are parallel



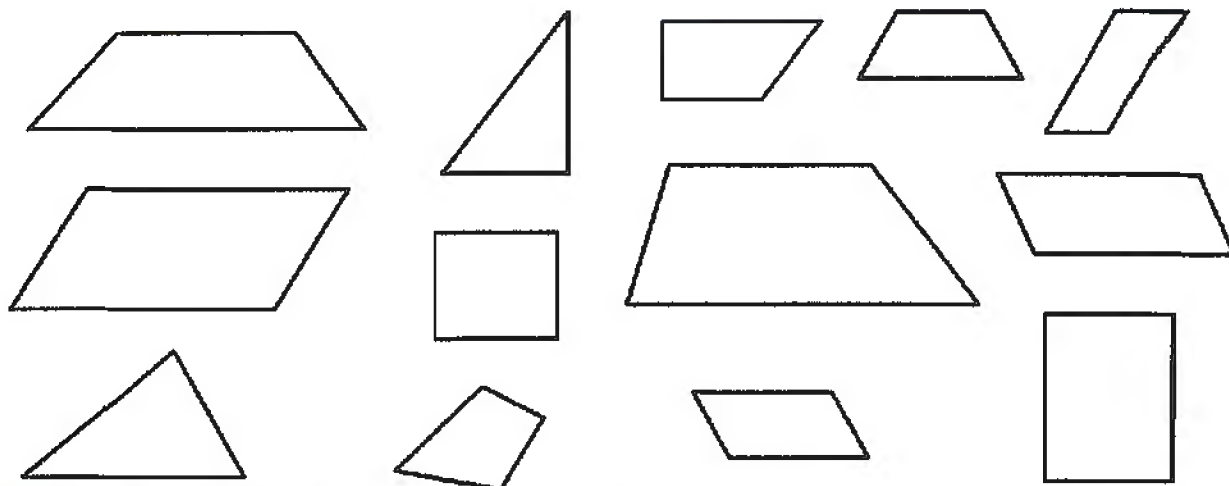
4 Complete :

- a** The quadrilateral is a polygon that has sides.
- b** Each two opposite sides are equal and parallel in , , ,
- c** All sides are equal in and
- d** All angles are equal in and
- e** Only one pair of opposite sides are parallel in
- f** Two pairs of adjacent sides are equal in
- g** In the parallelogram each two opposite sides are
- h** In the rectangle all angles are
- i** In the square all sides are and all angles are
- j** In the rhombus , only one pair of opposite sides are
- k** In the kite two pairs of adjacent sides are

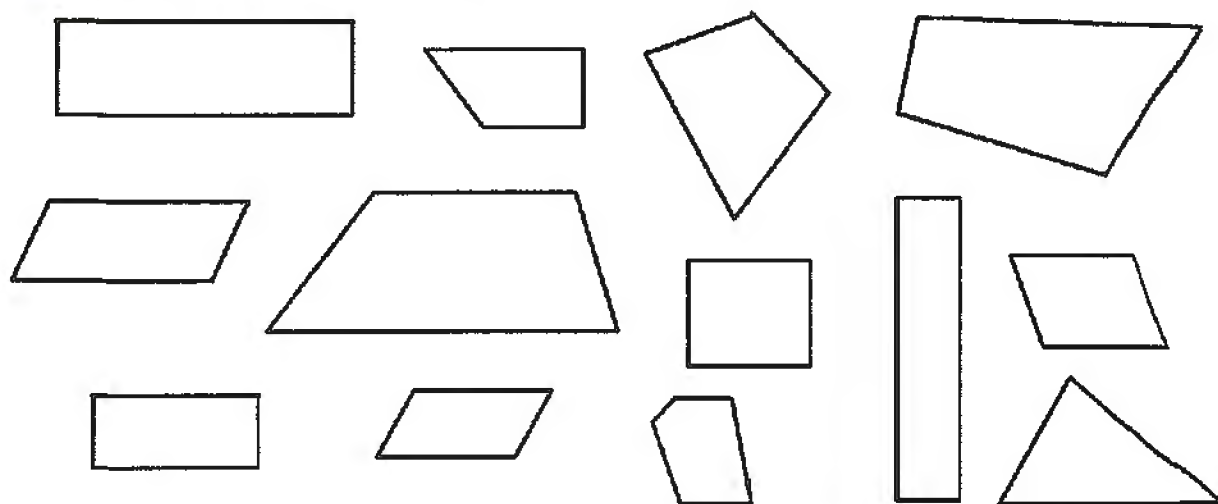
5 Color the parallelograms :



6 Color the trapezium :



7 Color the Rectangles :



8

First Choose the correct answer

- a Each two opposite sides are parallel in
(Square or Trapezium or Kite)
- b The quadrilatera hasangles (3 or 4 or 5)
- c $9 + 9 + 9 + 9 + 9 = \dots\dots\dots$ (9×9 or 9×5 or $9 + 5$)
- d $9 \times 10 + 9 \times 7 = 9 \times \dots\dots\dots$ (10 or 7 or 17)
- e The value of the digit 5 in the number 50 112 is
(50 000 or 5 000 or 500)

Second Complete the following

- a 45 thousands + 10 hundreds + 5 ones =
- b The has 6 sides.
- c All angles are right angles in and
- d An hour and a half = + =
- e 205 cm = m + cm

Third Answer the following

- a Find the result :

(1) $560 - 359 = \dots\dots\dots$ (3) $72 \div 9 = \dots\dots\dots$

(3) $8 \times 50 = \dots\dots\dots$ (4) $50\,000 + 500 + 5 = \dots\dots\dots$

- b Write the name of each quadrilateral :



- a Each week has 7 days , How many days are there in 8 weeks ?

..... \times =

LESSON 6

The Area

The amount of two-dimensional units occupied by the figure.
The number of square units in which the shape is formed

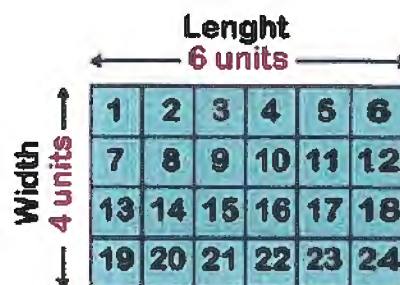
Example

The area = **9** square units
(Counting strategy)

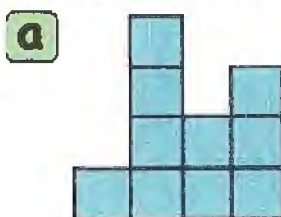


The area = **24** square units
(Counting strategy)

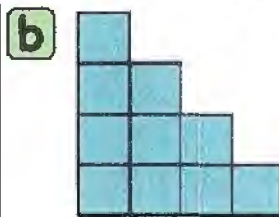
The area = **6 X 4 = 24** square units
(Length X width strategy)



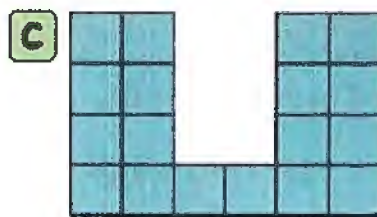
1 Find the area of each shape :



The area =
square units



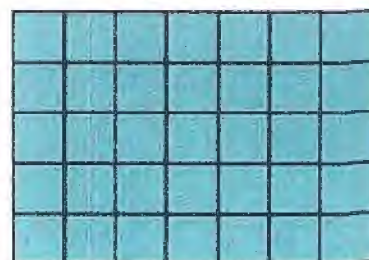
The area =
square units



The area =
square units

d The area = square units

The area = X = square units



e The area = square units

The area = X = square units



2 Find the area of each shape :

a

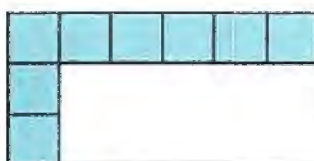


The area

= X

= square
units

b

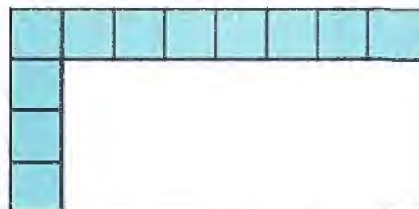


The area

= X

= square
units

c



The area

= X

= square
units

3 Heba has two rectangular gardens, one for lettuce and one for squash.

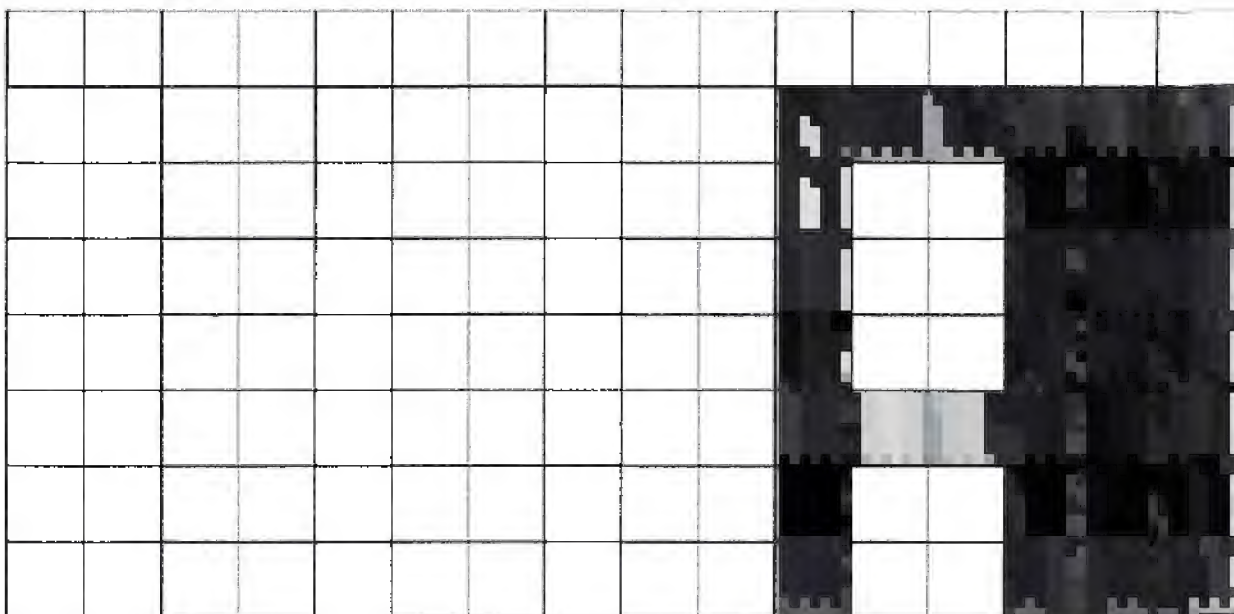
The squash takes up 12 square units and the lettuce takes up 10 square units. What could her gardens look like?

(Remember, the gardens are rectangles with the same number of square units in each row.)

Draw the gardens below. They must fit on the grid paper

12 = X

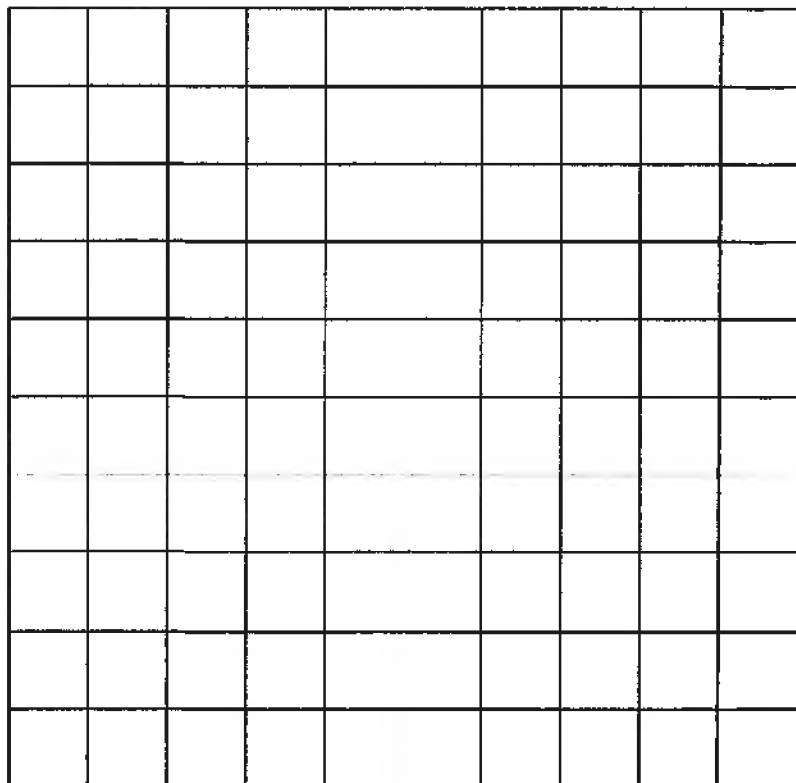
10 = X



- 4** On the grid below, draw and label as many rectangles as you can with the given area.
Then write equations that match your rectangles.

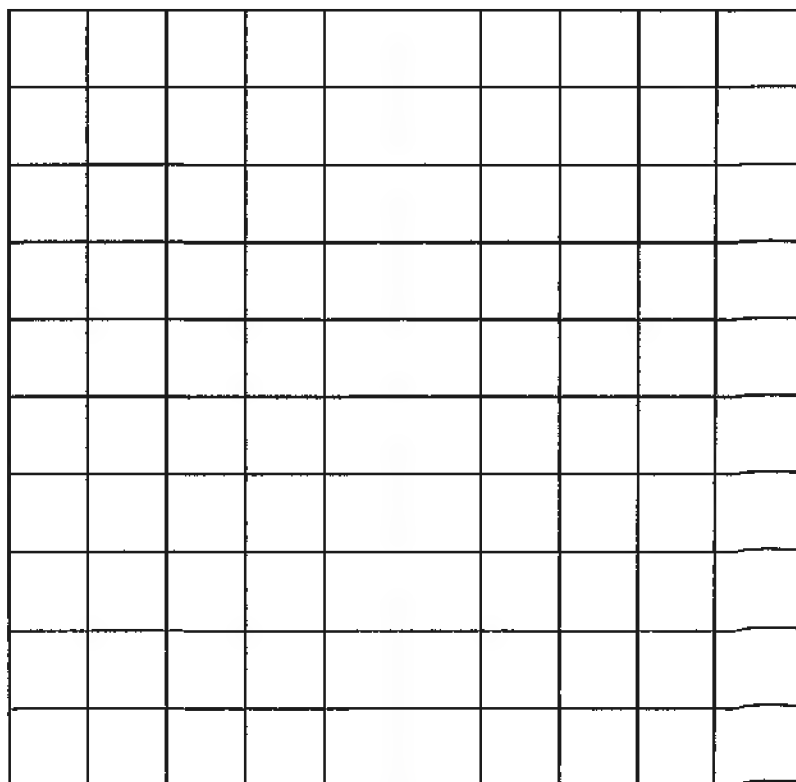
a 18 square units

.....
.....
.....
.....
.....
.....



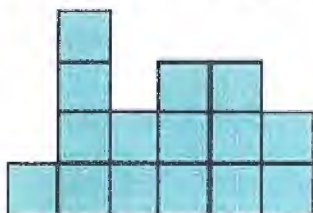
b 24 square units

.....
.....
.....
.....
.....
.....



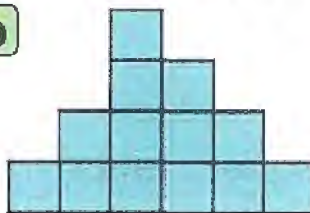
1 Find the area of each shape :

a



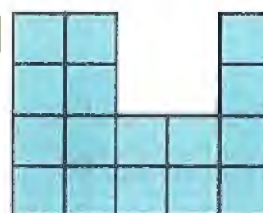
The area =
square units

b



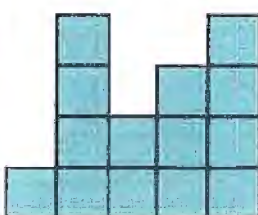
The area =
square units

c



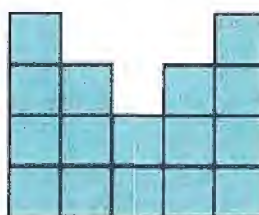
The area =
square units

d



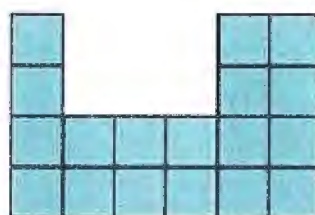
The area =
square units

e



The area =
square units

f



The area =
square units

g

The area = square units

The area = X = square units



h

The area = square units

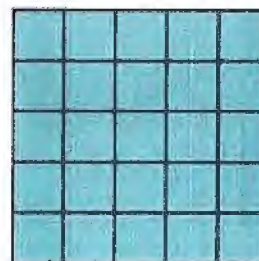
The area = X = square units



i

The area = square units

The area = X = square units



j

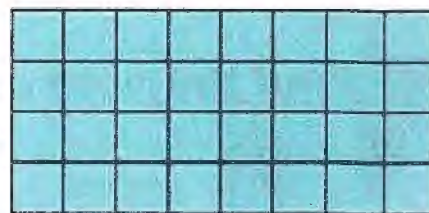
The area = square units

The area = X = square units



k The area = square units

The area = X = square units



l The area = square units

The area = X = square units

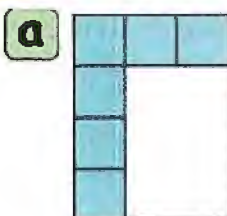


m The area = square units

The area = X = square units



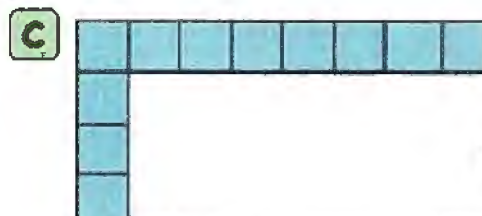
2 Find the area of each shape :



The area
= X
= square units



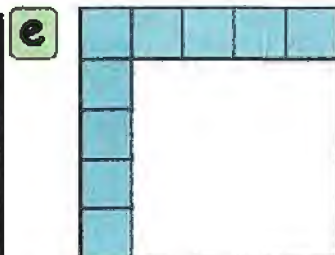
The area
= X
= square units



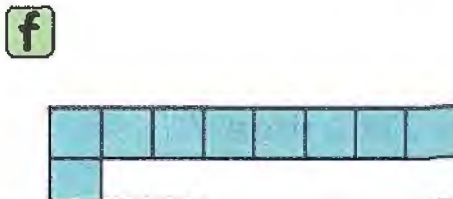
The area
= X
= square units



The area
= X
= square units

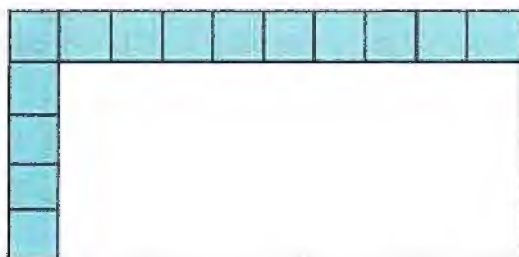


The area
= X
= square units



The area
= X
= square units

g



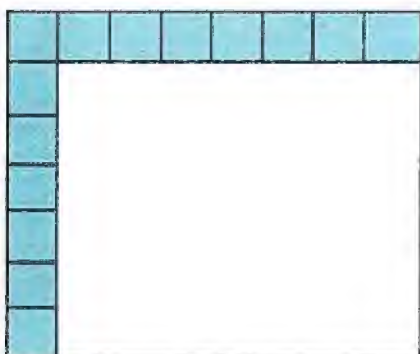
The area = \times
= square units

h



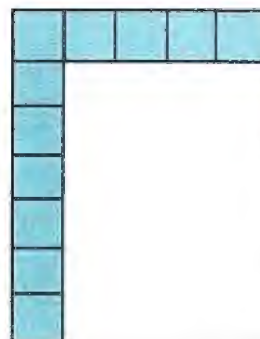
The area = \times
= square units

i



The area = \times
= square units

j



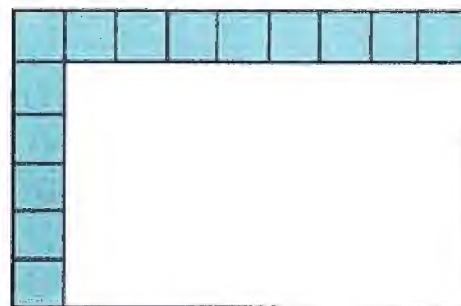
The area = \times
= square units

k



The area = \times
= square units

l



The area = \times
= square units

m



The area = \times
= square units

n



The area = \times
= square units

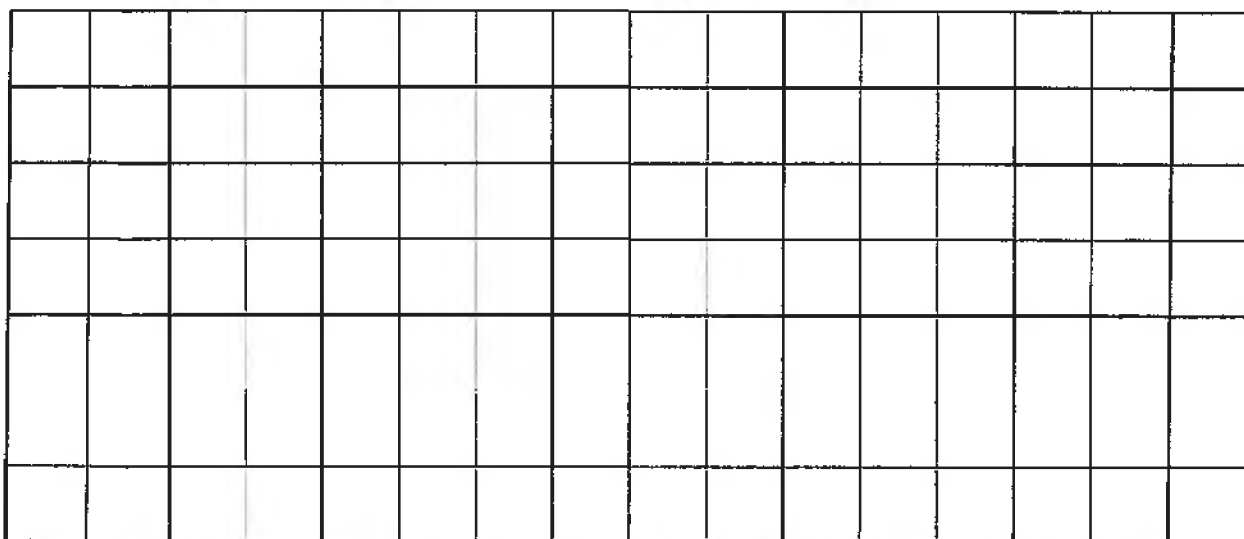
- 3** Heba has two rectangular gardens, one for lettuce and one for squash.
The squash takes up 15 square units and the lettuce takes up 18 square units. What could her gardens look like?

(Remember, the gardens are rectangles with the same number of square units in each row.)

Draw the gardens below. They must fit on the grid paper

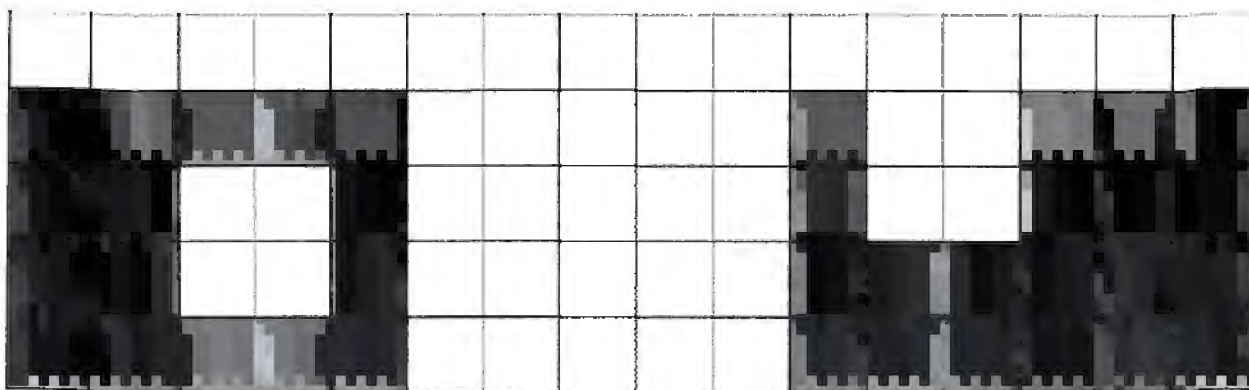
$$15 = \dots \times \dots$$

$$18 = \dots \times \dots$$



- 4** Youssef loves watermelon and wants to plant it in his garden. Watermelon needs 1 square unit of space. He would like the garden to have 4 rows with 6 square units in each row.
How many watermelons can Youssef fit in his garden?
What is the area of his garden in square units?

$$\dots \times \dots = \dots$$

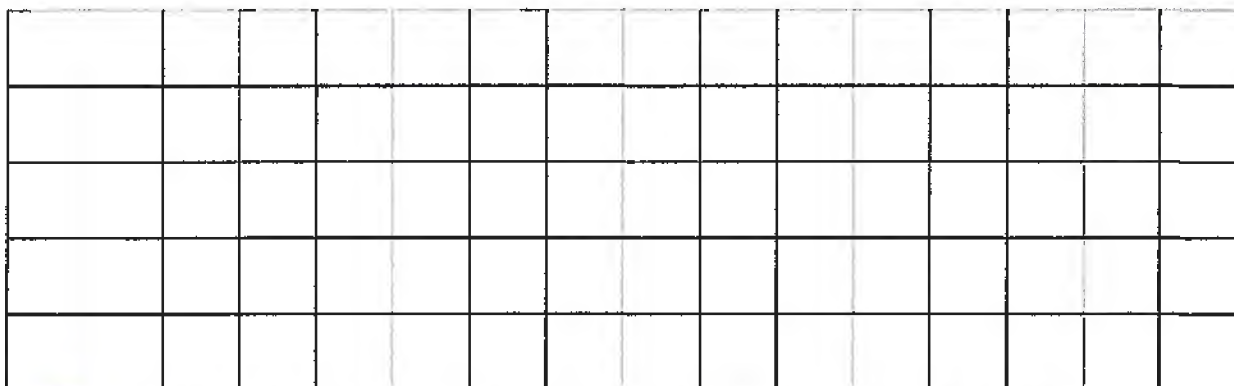


- 5** Omar wants to plant corn. Corn needs 1 square unit of space. He would like the garden to have 3 rows with 7 square units in each row.

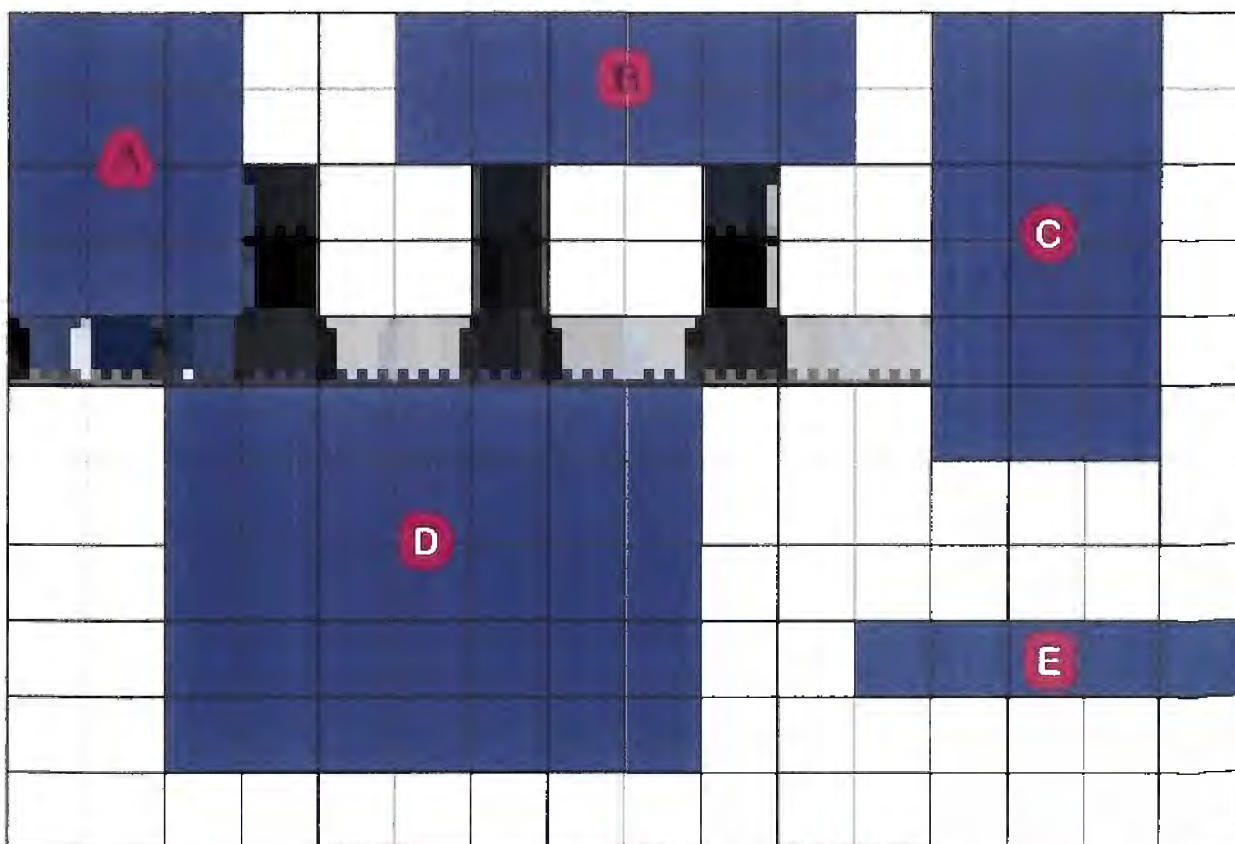
How much corn can Omar fit in his garden?

What is the area of his garden in square units?

$$\dots \times \dots = \dots$$



- 6** Determine the total area of the following shapes.



$$\begin{array}{c} \text{A} \quad \text{B} \quad \text{C} \quad \text{D} \quad \text{E} \\ (\dots \times \dots) + (\dots \times \dots) + (\dots \times \dots) + (\dots \times \dots) + (\dots \times \dots) \end{array}$$

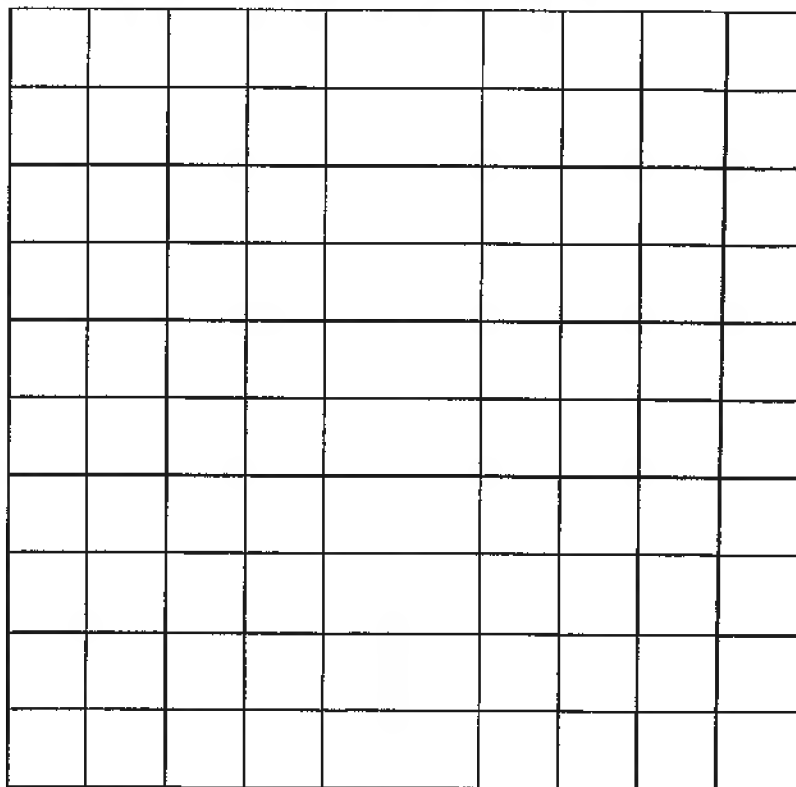
$$= \dots + \dots + \dots + \dots + \dots = \dots$$

- 7** On the grid below, draw and label as many rectangles as you can with the given area.

Then write equations that match your rectangles.

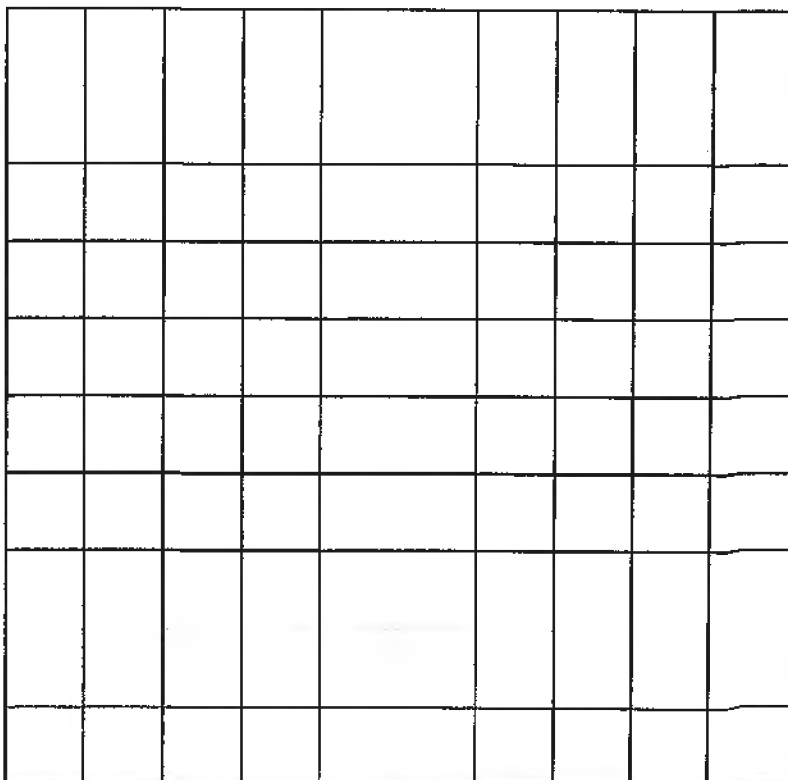
- a** 30 square units

.....



- b** 24 square units

.....



c 20 square units

.....

d 12 square units

.....

e 18 square units

.....



First Choose the correct answer

- a** Nine thousand and ninety = (9 090 or 90 090 or 900 090)
- b** The rhombus has angles (3 or 4 or 5)
- c** An hour and a half = minutes (75 or 80 or 90)
- d** $5 \times 4 = \dots\dots\dots$ ($5 + 5 + 5 + 5 + 5$ or $4 + 4 + 4 + 4$ or $10 + 10$)
- e** The largest 6-digit number is
(999 999 or 987 654 or 900 000)

Second Complete the following

- a** 5 tens + 45 thousands + 5 hundreds =
- b** The pentagon has sides
- c** 207 mm = cm + mm
- d** In the square , all angles are in measure.
- e** 27 , 36 , 45 , 54 , , ,

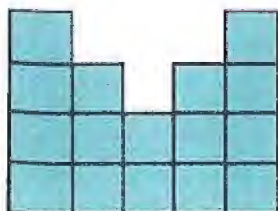
Third Answer the following

- a** Complete using < , = or > :

- (1) 6×7 5×8 (3) 2 hours 100 minutes
- (2) 7 856 7 586 (4) 20 cm 200 mm

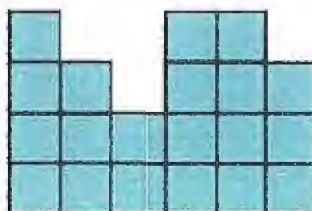
- b** Find the area of each shape :

(1)



The area =
square units

(2)



The area =
square units

(3)



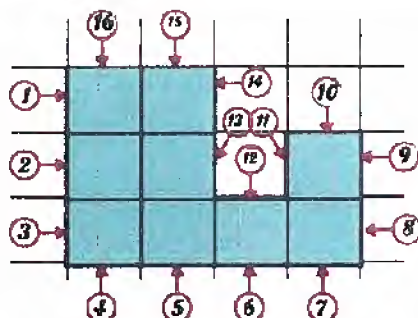
The area =
square units

LESSON 7

The perimeter

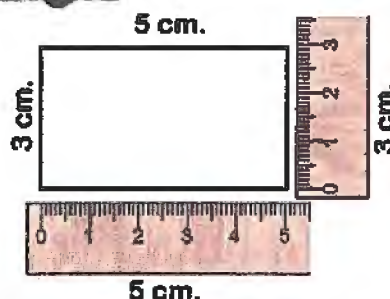
The perimeter of any polygon equals the sum of its sides length

Example



The perimeter = 16 liner unit

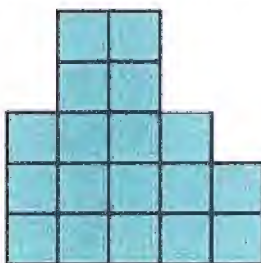
Example



The perimeter = $5 + 3 + 5 + 3$
= 16 cm

1 Find the area and the perimeter of each shape :

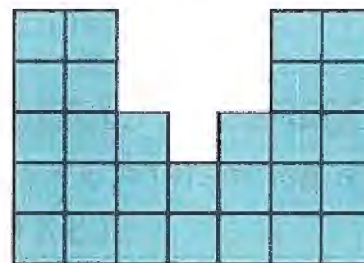
a



The area = square unit

The perimeter = liner unit

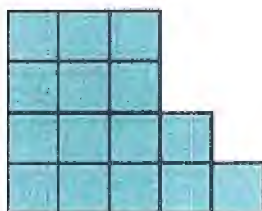
b



The area = square unit

The perimeter = liner un it

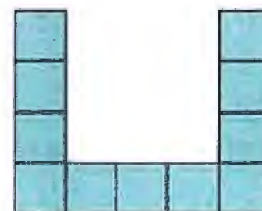
c



The area = square unit

The perimeter = liner unit

d



The area = square unit

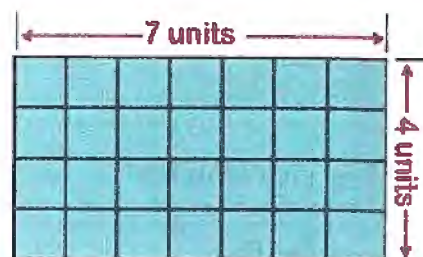
The perimeter = liner un it

e The area = X

= square unit

The perimeter = + + +

= liner unit

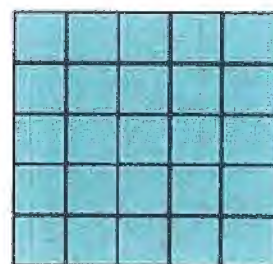


f The area = X

= square unit

The perimeter = + + +

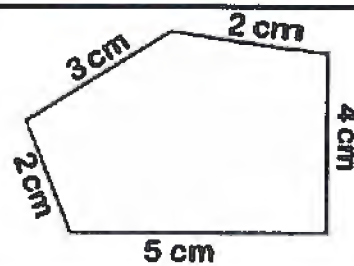
= liner unit



The perimeter of any polygon:

The perimeter = $5 + 4 + 2 + 3 + 2 = 12$ cm

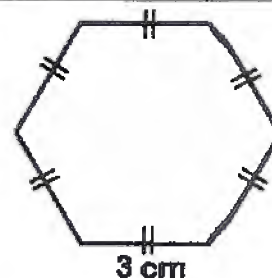
The perimeter of any polygon
equals sum of sides length.



The perimeter of regular polygons:

The perimeter = $3 + 3 + 3 + 3 + 3 + 3 = 18$ cm
($3 \times 6 = 18$ cm)

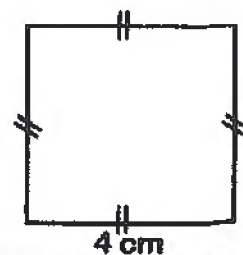
The perimeter of a regular polygon
= The side length X the number of sides



The perimeter of the square:

The perimeter = $5 + 5 + 5 + 5 = 20$ cm
($5 \times 4 = 18$ cm)

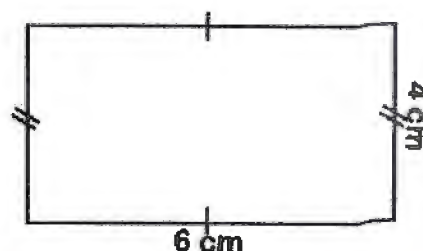
The perimeter of the square
= The side length X 4



The perimeter of the rectangle:

The perimeter = $6 + 4 + 6 + 4 = 20$ cm
[$(6 + 4) \times 2 = 20$ cm]

The perimeter of the reactangle
= (Length + width) X 2

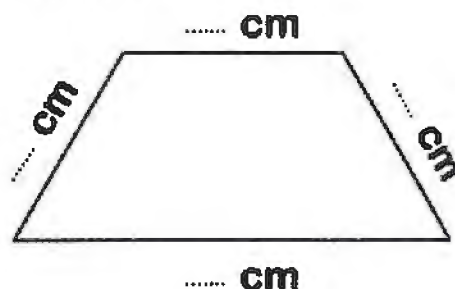


2 Use our ruler to measure each of the side length of the following then find the perimeter

a The perimeter

$$= \dots + \dots + \dots + \dots$$

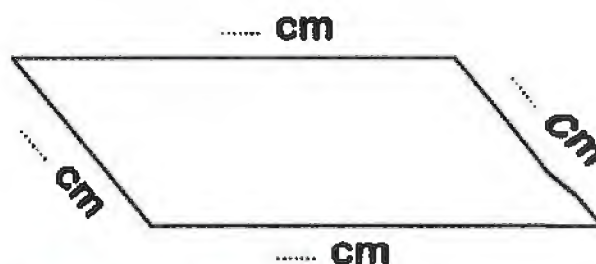
$$= \dots \text{ cm}$$



b The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$



The area and the perimeter of the rectangle:

The area = length X width
 $= 4 \times 2 = 8$ square centimeter
 The perimeter = (length + width) X 2
 $= (4 + 2) \times 2 = 12$ cm



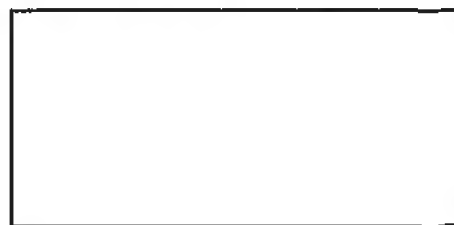
3 Find the area and the perimeter of the following :

a The area =

=

The perimeter =

=

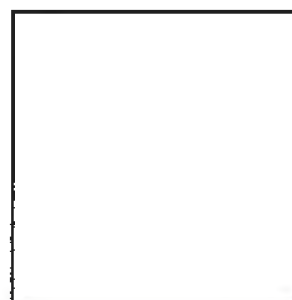


b The area =

=

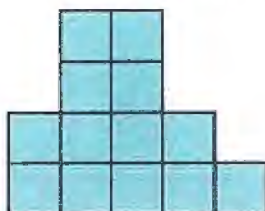
The perimeter =

=



1 Find the area and the perimeter of each shape :

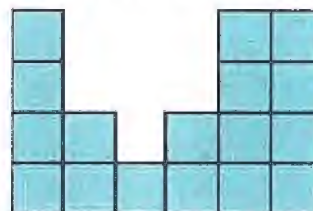
a



The area = square unit

The perimeter = liner unit

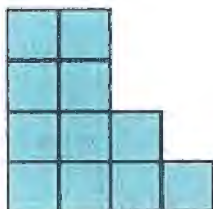
b



The area = square unit

The perimeter = liner unit

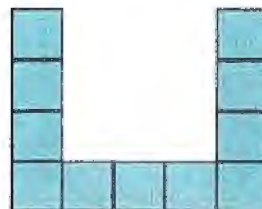
c



The area = square unit

The perimeter = liner unit

d



The area = square unit

The perimeter = liner unit

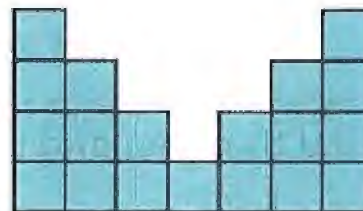
e



The area = square unit

The perimeter = liner unit

f



The area = square unit

The perimeter = liner unit

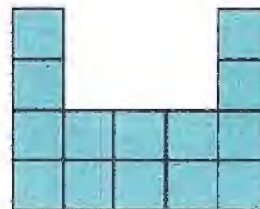
g



The area = square unit

The perimeter = liner unit

h

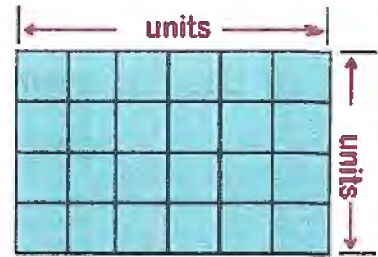


The area = square unit

The perimeter = liner unit

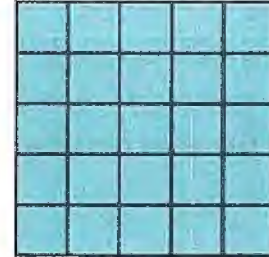
i The area = X
= square unit

The perimeter = + + +
= liner unit



j The area = X
= square unit

The perimeter = + + +
= liner unit



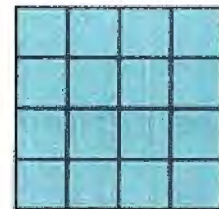
k The area = X
= square unit

The perimeter = + + +
= liner unit



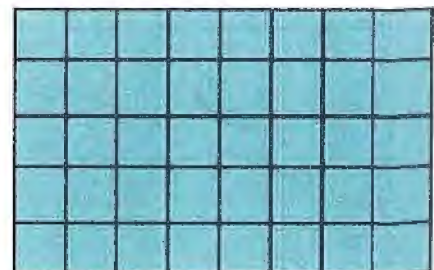
l The area = X
= square unit

The perimeter = + + +
= liner unit



m The area = X
= square unit

The perimeter = + + +
= liner unit

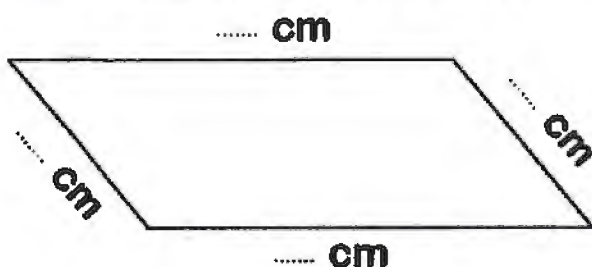


n The area = X
= square unit

The perimeter = + + +
= liner unit



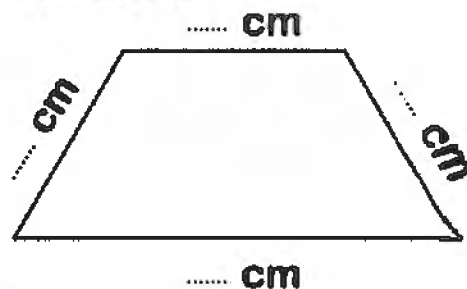
2 Use your ruler to measure each of the side lengths of the following then find the perimeter



a The perimeter

$$= \dots + \dots + \dots + \dots$$

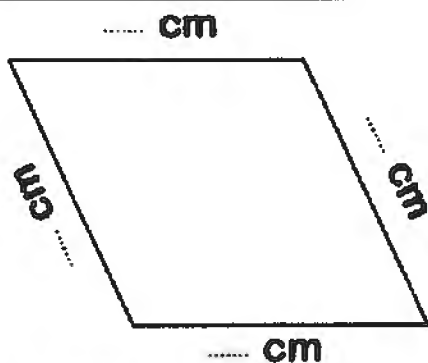
$$= \dots \text{ cm}$$



b The perimeter

$$= \dots + \dots + \dots + \dots$$

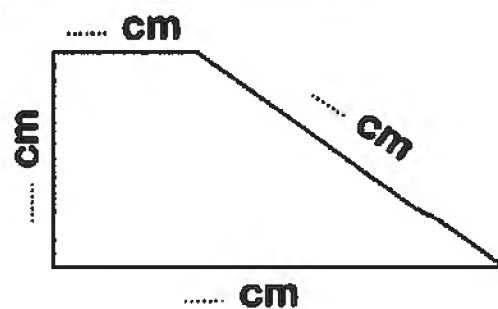
$$= \dots \text{ cm}$$



c The perimeter

$$= \dots + \dots + \dots + \dots$$

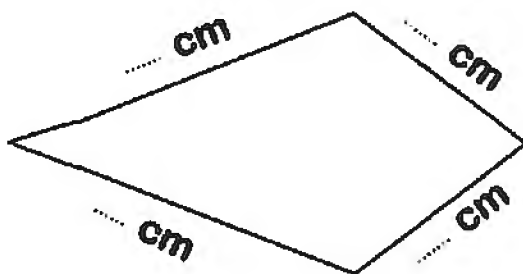
$$= \dots \text{ cm}$$



d The perimeter

$$= \dots + \dots + \dots + \dots$$

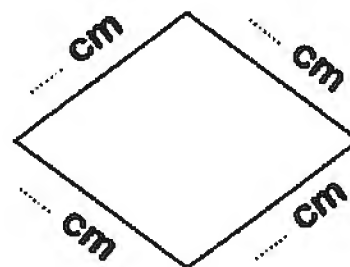
$$= \dots \text{ cm}$$



e The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

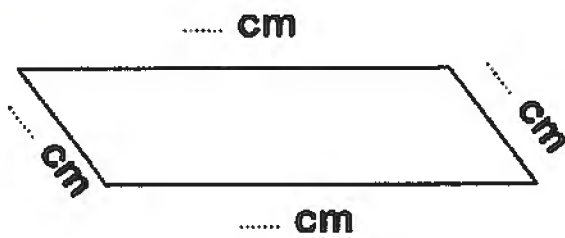


f The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

g

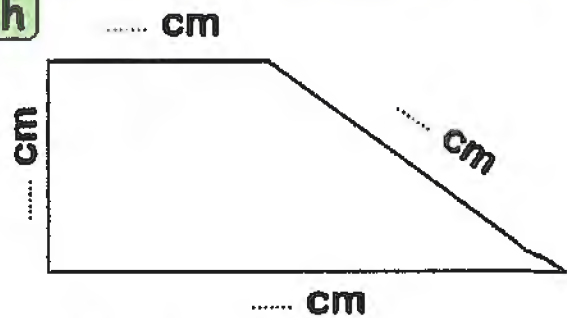


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

h

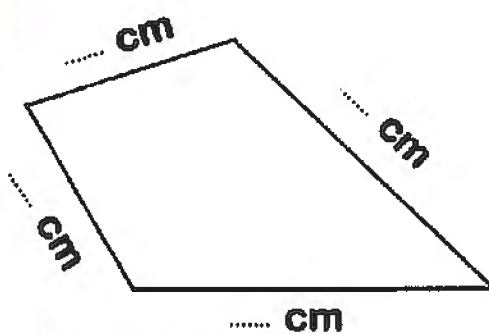


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

i

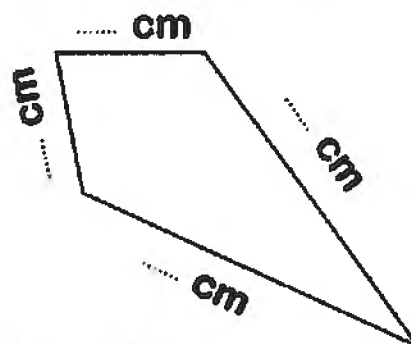


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

j

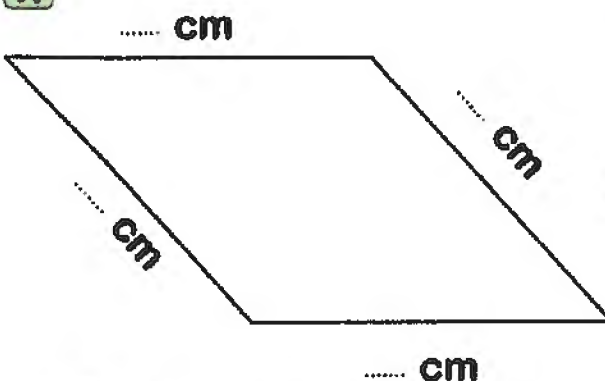


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

k

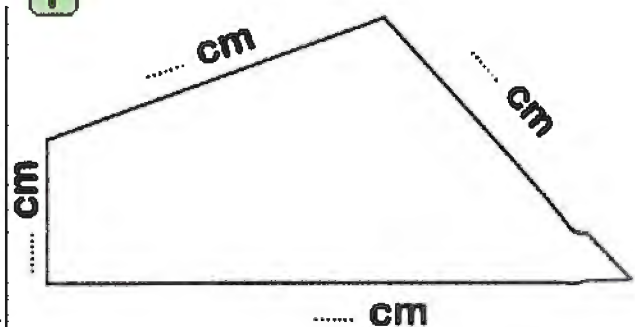


The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

l



The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$

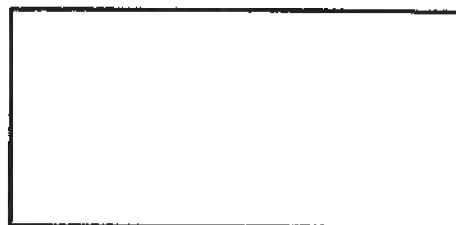
3 Find the area and the perimeter of the following :

a The area =

=

The perimeter =

=



b The area =

=

The perimeter =

=

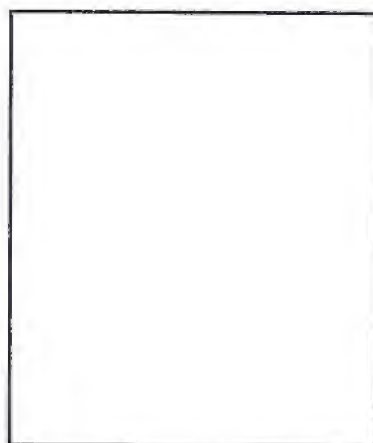


c The area =

=

The perimeter =

=

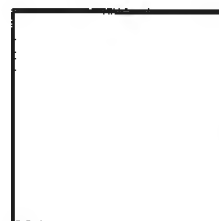


d The area =

=

The perimeter =

=

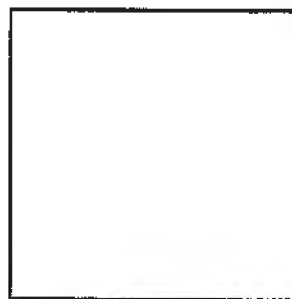


e The area =

=

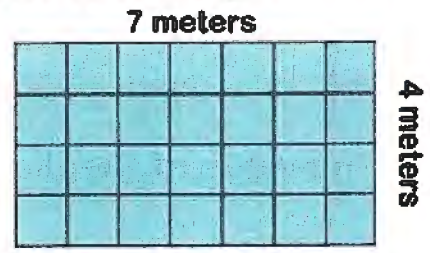
The perimeter =

=

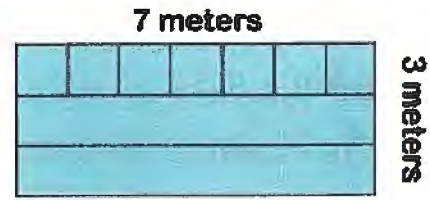


4 Find the area and the perimeter of the following :

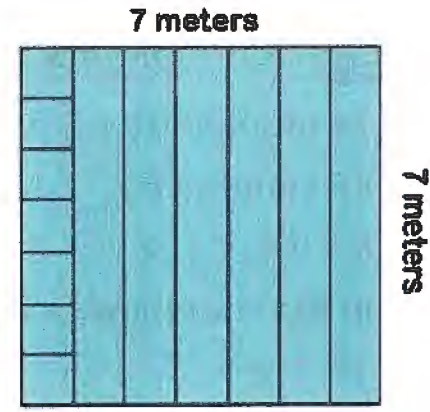
a The area =
 =
 The perimeter =
 =



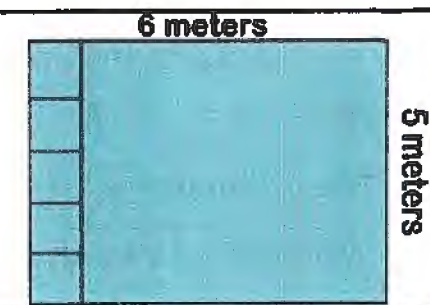
b The area =
 =
 The perimeter =
 =



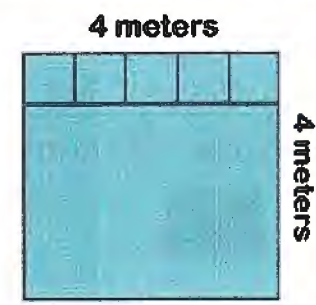
c The area =
 =
 The perimeter =
 =



d The area =
 =
 The perimeter =
 =



e The area =
 =
 The perimeter =
 =





First Choose the correct answer

- a** The value of the digit 7 in the 25 748 is
(700 000 or 7 000 or 700)
- b** The number of sides of the pentagon is
(4 or 5 or 6)
- c** $8 + 8 + 8 = \dots\dots\dots$ ($8 + 3$ or 6×4 or 8×8)
- d** The number that comes right before 200 100 is
(200 000 or 100 100 or 200 099)
- e** $2 \text{ m} + 15 \text{ cm} = \dots\dots\dots \text{ cm}$ (215 or 35 or 2015)

Second Complete the following

- a** 74 thousands + 5 ones + 7 tens + 3 hundreds =
- b** 85 minutes = hour(s) + minutes.
- c** $8 \times 5 = \dots\dots + \dots\dots + \dots\dots + \dots\dots + \dots\dots$
- d** In the rhombus , all sides are
- e** $36 \div 9 = \dots\dots\dots$

Third Answer the following

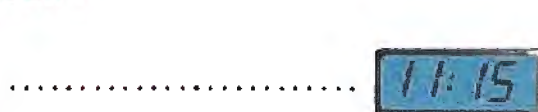
- a** Find the perimeter and the area of the opposit figure :

The area = \times = square unit

The perimeter = $\dots + \dots + \dots + \dots = \dots\dots\dots$ liner unit



- b** Write the time shown in the clock :



- c** Write the name of each shape :



LESSON

8

The Capacity

The amount of liquid that the container can contain

Units of capacity



6 L



2 L



1 L

Litre

L

Millilitre

ml



250 ml



125 ml



330 ml



1 Litre = 1000 millilitre

1 Circle the largest capacity container



2 Circle the smaller capacity container



3 What is better for measuring the volume of liquid in (capacity)? [Milliliter or liter]



Petrol in a car

Milliliter

Litre



Soda in a can

Milliliter

Litre



Spoonful of medicine

Milliliter

Litre



Dishwashing soap

Milliliter

Litre



Water in a bottle

Milliliter

Litre



Shampoo in a bottle

Milliliter

Litre



Juice in a juice box

Milliliter

Litre



Water in the bathtub

Milliliter

Litre



Perfume in a bottle

Milliliter

Litre

4 Complete the following :

a 1 litre = milliliters

c 2 liters = milliliters

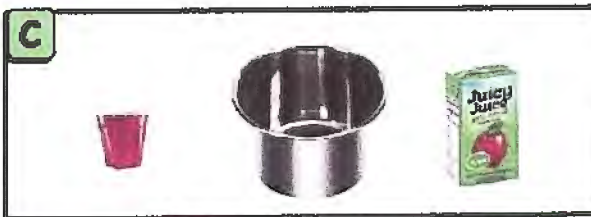
b 5 000 ml = litres

d 7 000 ml = litres

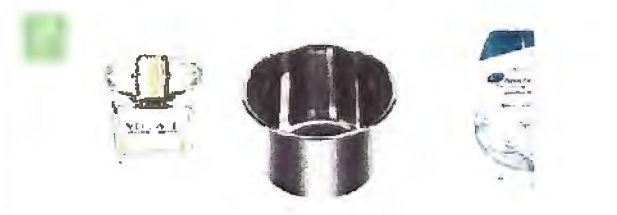
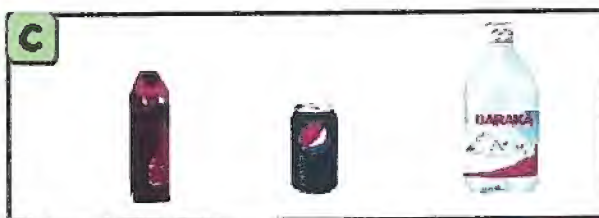
e To measure the capacity of the tea cup we use

f The litre is used to measure

1 Circle the largest capacity container



2 Circle the smaller capacity container



3 What is better for measuring the volume of liquid in (capacity)? [Milliliter or liter]



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre



Milliliter

Litre

Sheet 8

First Choose the correct answer

- a 8 liters = milliliter (8 000 or 800 or 80)
- b $7 + 7 + 7 + 7 =$ (7×4 or $7 + 4$ or 7×7)
- c $80 \times 3 =$ $\times 40$ (240 or 6 or 60)
- d The capacity of a cup of tea =
(6 litre or 800 ml or 200 ml)
- e is a unit of measuring capacity
(hour or meter or litre)

Second Complete the following

- a 9 000 milliliter = litre
- b The volume of water in the pool is measured by
- c The number that comes right after 99 999 is
- d $20 \text{ cm} + 7 \text{ mm} =$ mm
- e The smallest 5-different-digit number is

Third Answer the following

- a Find the result :

(1) $9 \times 13 =$ (2) $72 \div 8 =$

(3) $899 + 1\,001 =$ (4) $42 \div 6 =$

- b Each book costs LE 9 , How many books can you buy for LE 63.

- c Write the suitable unit (millilitre or litre) :



Coffee in a cup



Dishwashing soap



Soda in a can



Petrol in a car

General Exercises

First Choose the correct answer

- (1) Seven hundred thousand and seventy =
(700 070 or 700 017 or 770 000)
- (2) $5 + 20 + 400 + 7\ 000 = \dots\dots\dots$ (5 247 or 70 425 or 7 425)
- (3) 70 010 comes right after (79 999 or 70 099 or 70 009)
- (4)comes right before 2 000 (1 999 or 2 001 or 1 099)
- (5) 20 thousand + 75 tens =(2 075 or 20 075 or 20 750)
- (6) 60 hundreds = (60 000 or 6 000 or 600 000)
- (7) 8 000 tens =hundreds (800 or 8 000 or 80 000)
- (8) 300 000 =hundreds (30 or 300 or 3 000)
- (9) The largest 5 - different - digit number is
(98 765 or 99 999 or 10 234)
- (10) The smallest 6 - different - digit number is
(100 000 or 123 456 or 10 2345)
- (11) The largest 5 - same - digit number is
(99 999 or 98 756 or 9 999)
- (12) The smallest 4 - same - digit number is
(1 000 or 11 111 or 1 111)
- (13) The value of the digit 3 in the numbr 53 889 is
(3 000 or 300 or 30)
- (14) The value of the digit 8 in the number 877 624 is
(800 000 or 8 000 or 800)
- (15) The place-value of the digit 9 in the number 9 247 is
(Hundreds or Thousands or Ten-thousands)

- (16) $5 + 5 + 5 + 5 = 2 \times \dots\dots$ (5 or 10 or $4 + 5$)
- (17) $8 + 8 + 8 = \dots\dots$ (8×3 or $8 + 3$ or 8×8)
- (18) $6 + 6 + 6 + 6 = \dots\dots$ (6×4 or 6×6 or $6 + 4$)
- (19) $8 \times 2 = \dots\dots$ ($8 + 2$ or $8 + 8$ or 8×8)
- (20) $9 + 9 = \dots\dots$ (9×9 or 9×2 or 6×3)
- (21) $6 + 6 = \dots\dots$ (6×2 or 6×6 or $6 + 2$)
- (22) $4 \times 4 = \dots\dots$ (8×2 or 1×6 or 3×5)
- (23) 2×5 3×3 (< or = or >)
- (24) $5 + 5 + 5$ 4×4 (< or = or >)
- (25) $8 + 8 + 8$ 6×4 (< or = or >)
- (26) $9 + 9 + 9$ 7×4 (< or = or >)
- (27) $5 \times 6 = 3 \times \dots\dots$ (5 or 10 or 6)
- (28) $8 + 8 + 8 + 8 + 8 = 4 \times \dots\dots$ (8 or 5 or 10)
- (29) $6 + 6 + 6 + 6 = 3 \times \dots\dots$ (8 or 6 or 4)
- (30) $5 \times 6 \times 10 = \dots\dots \times 10$ (300 or 30 or 3)
- (31) $7 \times 4 \times 10 = \dots\dots \times 10$ (280 or 4 or 28)
- (32) $\dots\dots \times 9 \times 10 = 36 \times 10$ (4 or 36 or 360)
- (33) $28 \times 10 = 4 \times \dots\dots \times 10$ (7 or 280 or 40)
- (34) $35 \times 10 = 5 \times \dots\dots \times 10$ (70 or 350 or 7)
- (35) $36 \times 10 = \dots\dots \times 6 \times 10$ (3 or 6 or 36)
- (36) $5 \times 8 = \dots\dots \times 5$ (40 or 5 or 8)
- (37) $9 \times \dots\dots = 6 \times 9$ (6 or 9 or 54)
- (38) $8 \times 6 = 6 \times \dots\dots$ (8 or 6 or 48)
- (39) $6 + 6 + 6 = \dots\dots$ ($6 + 3$ or 6×6 or 9×2)
- (40) $6 + 6 + 6 + 6 + 6 = \dots\dots$ (6×6 or 3×10 or $6 + 5$)

- (41) $10\text{ cm} + 5\text{ mm} = \dots\dots\text{ mm}$ (105 or 15 or 1 005)
- (42) $15\text{ m} = \dots\dots\text{ cm}$. (15 or 150 or 1 500)
- (43) The quadrilateral has $\dots\dots$ sides (3 or 4 or 5)
- (44) $50\text{ cm} + 5\text{ mm} = \dots\dots\text{ mm}$ (505 or 55 or 10)
- (45) An hour + 10 minutes = $\dots\dots$ minutes (110 or 130 or 70)
- (46) An hour and a half = $\dots\dots$ minutes (75 or 80 or 90)
- (47) Each two opposite sides are parallel in $\dots\dots\dots$
- (48) $\dots\dots\dots$ (Square or Trapezium or Kite)
- The rhombus has $\dots\dots$ angles (3 or 4 or 5)
- (49) The capacity of a cup of tea = $\dots\dots\dots$
- (6 litre or 800 ml or 200 ml)
- (50) $\dots\dots\dots$ is a unit of measuring capacity
- (hour or meter or litre)

Second Complete the following

- (1) Two hundred five thousand, six hundred and eleven = $\dots\dots\dots$
- (Standard form)
- (2) 700 608 (Word form) : $\dots\dots\dots$
- $\dots\dots\dots$
- (3) $700\ 000 + 70\ 000 + 5\ 000 + 800 + 50 + 3 = \dots\dots\dots$
- (4) 998 thousand + 6 ones + 5 tens + 7 hundreds = $\dots\dots\dots$
- (5) $70 + 0 + 0 + 4 = \dots\dots\dots$
- (6) $77\ 856 = \dots\dots\dots + \dots\dots\dots + \dots\dots\dots + \dots\dots\dots$
- (7) $552\ 159 = \dots\text{ tens} + \dots\text{ thousands} + \dots\text{ ones} + \dots\text{ hundreds}$
- (8) The number that comes right after 362 999 is $\dots\dots\dots$
- (9) The number 70 250 comes right after $\dots\dots\dots$.
- (10) The number $\dots\dots\dots$ comes right after 99 999.

- (11) The number that comes right before 700 000 is
- (12) The number 31 560 comes right before
- (13) The number comes right before 105 200.
- (14) The place value of the digit 5 in the number 254 269
is
- (15) The place value of the digit 7 in the number 789 895
is
- (16) The value of the digit 7 in the number 79 159 is
- (17) The value of the digit 2 in the number 8 128 is
- (18) The largest 6-digit number is
- (19) The smallest 6-digit number is
- (20) The largest 5-digit number is
- (21) The smallest 5-digit number is
- (22) The largest and the smallest number formed from the
digits (7 , 2 , 0 , 6 and 3) are and
- (23) The largest and the smallest 5-digit number formed from
the digits (4 , 8 and 5) are and
- (24) $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = \dots \times \dots = \dots$
- (25) $5 + 5 + 5 + 5 + 5 + 5 + 5 = \dots \times \dots = \dots$
- (26) $5 \times 8 = \dots + \dots + \dots + \dots + \dots = \dots$
- (27) $4 \times 4 = \dots + \dots = \dots$
- (28) $7 + 7 + 7 + 7 + 7 = 5 \times \dots = \dots$
- (29) $4 + 4 + 4 + 4 = 2 \times \dots = \dots$
- (30) $5 \times 8 = 4 \times \dots = \dots$
- (31) $6 \times 6 = 4 \times \dots = \dots$

- (32) $52 \times 10 = \dots\dots\dots$
- (33) $16 \times 10 = \dots\dots\dots$
- (34) $7 \times \dots\dots = 70$
- (35) $32 \div \dots\dots = 8$
- (36) $35 \div \dots\dots = 5$
- (37) $4 \times \dots\dots = 40$
- (38) $86 \times \dots\dots = 860$
- (39) $55 \times \dots\dots = 550$
- (40) $\dots\dots \div 8 = 4$
- (41) $\dots\dots \div 5 = 7$
- (42) $8 \times 50 = \dots\dots \times \dots\dots \times \dots\dots = \dots\dots \times \dots\dots = \dots\dots$
- (43) $\dots\dots \times \dots\dots = 5 \times 9 \times 10 = \dots\dots \times \dots\dots = \dots\dots$
- (44) $\dots\dots \times \dots\dots = 5 \times \dots\dots \times \dots\dots = 35 \times 10 = \dots\dots$
- (45) $\dots\dots \times \dots\dots = \dots\dots \times 7 \times \dots\dots = 49 \times 10 = \dots\dots$
- (46) An hour and a half = $\dots\dots + \dots\dots = \dots\dots$ minutes
- (47) An hour and 25 minutes = $\dots\dots + \dots\dots = \dots\dots$ minutes
- (48) 2 hours and 55 minutes = $\dots\dots + \dots\dots = \dots\dots$ minutes
- (49) 95 minutes = $\dots\dots$ hours + $\dots\dots$ minutes
- (50) 130 minutes = $\dots\dots$ hours + $\dots\dots$ minutes
- (51) 5 cm = $\dots\dots\dots$ mm.
- (52) 10 cm = $\dots\dots\dots$ mm.
- (53) 7 m = $\dots\dots\dots$ cm
- (54) 12 m = $\dots\dots\dots$ cm
- (55) $12 \text{ cm} + 8 \text{ mm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ mm}.$
- (56) $20 \text{ m} + 12 \text{ cm} = \dots\dots\dots + \dots\dots\dots = \dots\dots\dots \text{ cm}.$
- (57) $162 \text{ mm} = \dots\dots\dots \text{ cm} + \dots\dots\dots \text{ mm}.$
- (58) $225 \text{ cm} = \dots\dots\dots \text{ m} + \dots\dots\dots \text{ cm}.$
- (59) The quadrilateral is a polygon that has $\dots\dots\dots$ sides.
- (60) Two pairs of adjacent sides are equal in $\dots\dots\dots$
- (61) All sides are equal in $\dots\dots\dots$ and $\dots\dots\dots$
- (62) In the rectangle all angles are $\dots\dots\dots$
- (63) Each two opposite sides are equal and parallel in $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$, $\dots\dots\dots$

- (64) The pentagon has sides , angles and vertices.
- (65) The has 5 sides and has 6 sides.
- (66) To measure the capacity of the tea cup we use
- (67) The litre is used to measure
- (68) 2 liters = milliliters
- (69) 7 000 ml = litres
- (70) The volume of water in the pool is measured by

Thrid Answer the following

(1) **Complete the pattern :**

a    ,    ,    ,

b AB , AAB , AAAB , ,

c UN , UN , UN ,

d  ,  ,  ,

e  ,  ,  ,

f	5 260	5 250	5 240	.....
	.....	5 210	.....	.....
	5 180	.....	.....	5 150
	.....	5 130	5 120	.....

**The
pattern**

g	57 020	56 020	55 020	.....
	53 020	.....	.....	50 020
	.....	48 020	.....	.....
	.....	.....	43 020	.....

**The
pattern**

h 30, 27, 24, 21,,,,,

i 0, 4, 8, 12,,,,,

(2) Complete the following table :

	The Number	The value of the encircled digit	The place-value of the encircled digit
a	455 369	.....	.....
b	362 512	.....	.....
c	280 239	.....	.....
d	696 274	.....	.....
e	51 780	.....	.....

(3) Complete using < , = or > :

a 345 123 600 201 **d** 99 999 100 010

b 788 250 788 520 **e** 5 628 5 268

c 441 002 441 020 **f** 39 020 39 200

g 5 tens + 7 thousands + 4 hundreds 7 405

h Twenty thousand and twenty 2 020

i 500 000 + 50 000 + 500 + 5 555 005

j 3 600 + 36 360 036

j An hour and a quarter 95 minutes

k 2 hours and 25 minutes 150 minutes

l $6\text{ cm} + 7\text{ mm}$ 67 mm

m $20\text{ m} + 12\text{ cm}$ 212 cm

n 2 liters 2 200 milliliters

(4) The following data shows the weights of 20 children.
(in Kilograms) . Creat a line plot using these data.

55 , 50 , 54 , 54 , 51 , 55 , 52 , 53 , 57 , 58

58 , 58 , 58 , 54 , 53 , 57 , 51 , 50 , 50 , 52

a The lowest value : The largest value :

b The number of times each number is repeated



c The line plot :



.....

x =

(5) Arrange each group of the following numbers in an ascending order and in a descending order :

a 32 023 , 98 123 , 75 023 , 54 987 , 20 368

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

b 500 368 , 500 638 , 500 863 , 500 386 , 500 683

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

c 8 000 , 1 800 , 18 000 , 1 008 , 10 008

The ascending order :

..... , , , ,

The descending order :

..... , , , ,

(6) Use the 120 char , to find :

a List the common multiples of 2 and 3 up to 30 :

.....
.....

b List the common multiples of 5 and 4 up to 40 :

.....

c List the common multiples of 6 and 9 up to 60 :

.....

(7) Complete:

$2 \times 2 = \dots\dots$

$3 \times 3 = \dots\dots$

$2 \times 6 = \dots\dots$

$4 \times 4 = \dots\dots$

$2 \times 9 = \dots\dots$

$4 \times 6 = \dots\dots$

$3 \times 9 = \dots\dots$

$4 \times 8 = \dots\dots$

$6 \times 6 = \dots\dots$

$5 \times 9 = \dots\dots$

$6 \times 9 = \dots\dots$

$7 \times 9 = \dots\dots$

$2 \times 3 = \dots\dots$

$2 \times 5 = \dots\dots$

$2 \times 7 = \dots\dots$

$2 \times 8 = \dots\dots$

$4 \times 5 = \dots\dots$

$3 \times 8 = \dots\dots$

$4 \times 7 = \dots\dots$

$5 \times 7 = \dots\dots$

$5 \times 8 = \dots\dots$

$6 \times 8 = \dots\dots$

$7 \times 8 = \dots\dots$

$8 \times 9 = \dots\dots$

$2 \times 4 = \dots\dots$

$3 \times 4 = \dots\dots$

$3 \times 5 = \dots\dots$

$3 \times 6 = \dots\dots$

$3 \times 7 = \dots\dots$

$5 \times 5 = \dots\dots$

$5 \times 6 = \dots\dots$

$4 \times 9 = \dots\dots$

$6 \times 7 = \dots\dots$

$7 \times 7 = \dots\dots$

$8 \times 8 = \dots\dots$

$9 \times 9 = \dots\dots$

$2 \times \dots\dots = 4$

$3 \times \dots\dots = 6$

$4 \times \dots\dots = 8$

$3 \times \dots\dots = 9$

$5 \times \dots\dots = 10$

$6 \times \dots\dots = 12$

$4 \times \dots\dots = 12$

$7 \times \dots\dots = 14$

$5 \times \dots\dots = 15$

$4 \times \dots\dots = 16$

$8 \times \dots\dots = 16$

$9 \times \dots\dots = 18$

$6 \times \dots\dots = 18$

$5 \times \dots\dots = 20$

$7 \times \dots\dots = 21$

$8 \times \dots\dots = 24$

$6 \times \dots\dots = 24$

$5 \times \dots\dots = 25$

$9 \times \dots\dots = 27$

$7 \times \dots\dots = 28$

$6 \times \dots\dots = 30$

$8 \times \dots\dots = 32$

$7 \times \dots\dots = 35$

$6 \times \dots\dots = 36$

$9 \times \dots\dots = 36$

$8 \times \dots\dots = 40$

$7 \times \dots\dots = 42$

$9 \times \dots\dots = 45$

$8 \times \dots\dots = 48$

$7 \times \dots\dots = 49$

$9 \times \dots\dots = 54$

$8 \times \dots\dots = 56$

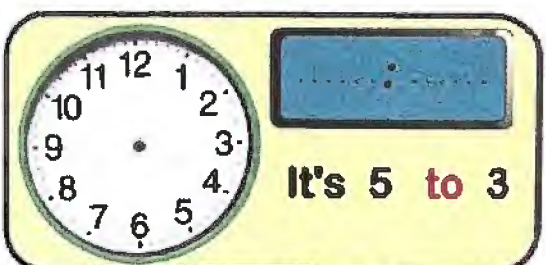
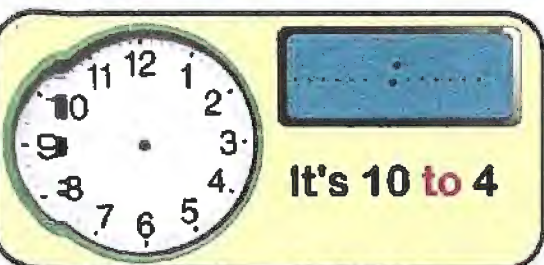
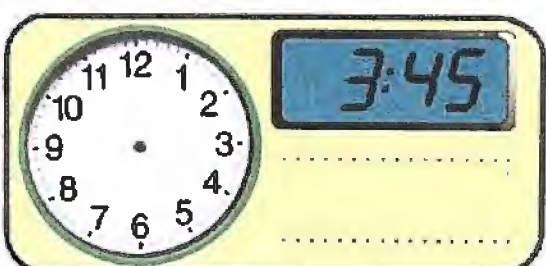
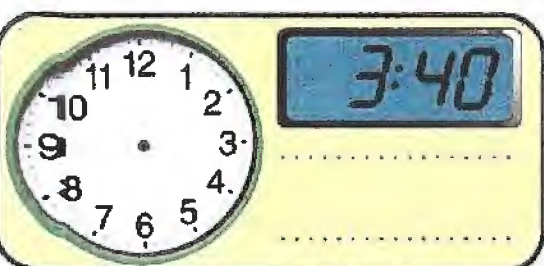
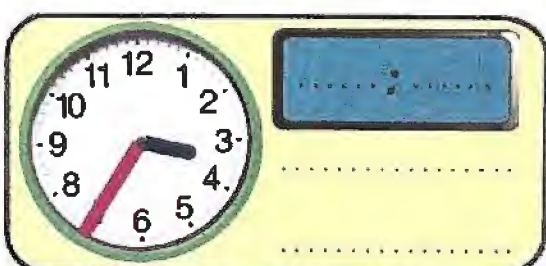
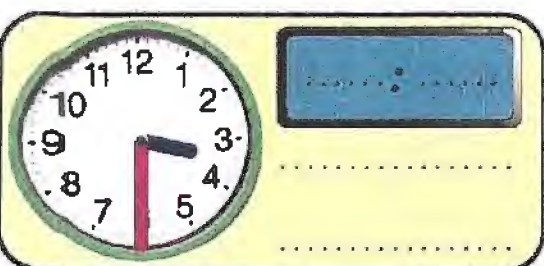
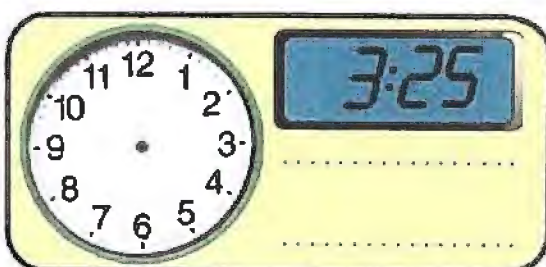
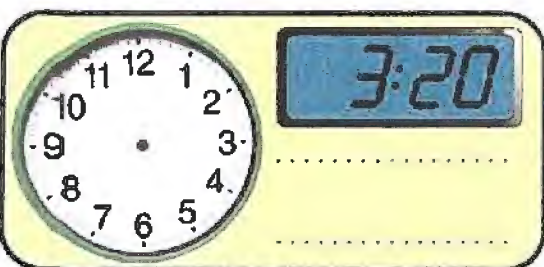
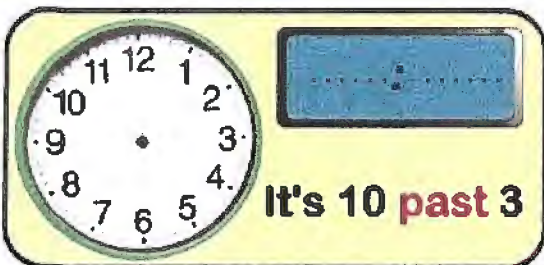
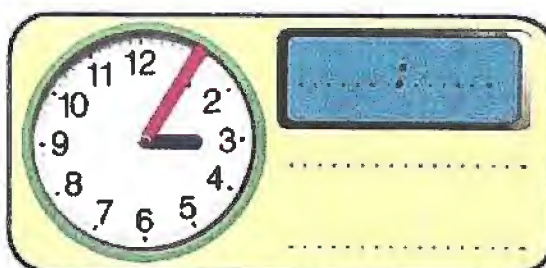
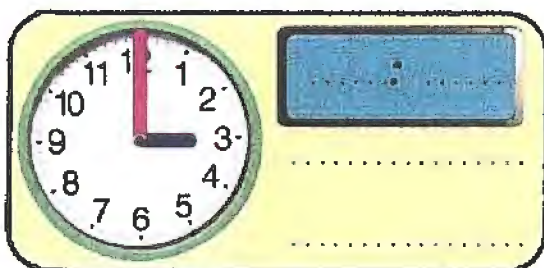
$9 \times \dots\dots = 63$

$8 \times \dots\dots = 64$

$9 \times \dots\dots = 72$

$9 \times \dots\dots = 81$

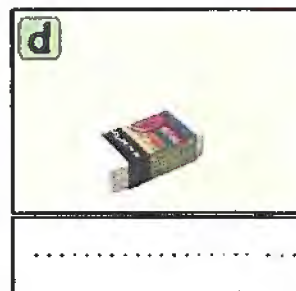
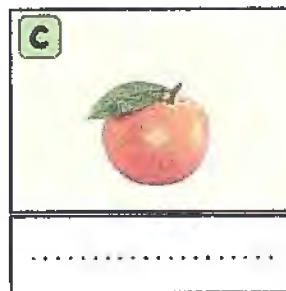
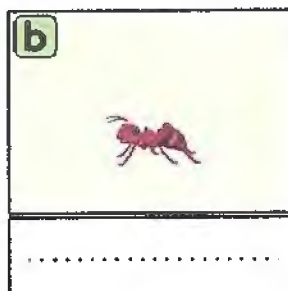
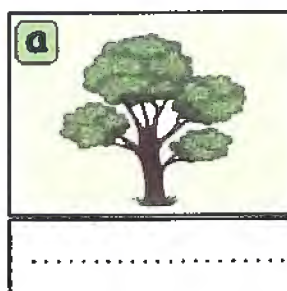
(8) Complete the following



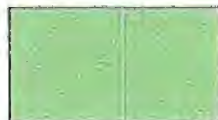
(9) See the pictures below. Determine what is the appropriate unit of length for measuring these things :

[millimeter (**mm**) , centimeter (**cm**) or meters (**m**).]

Then write it under the picture



(10) Write the name of each quadrilateral :



(11) Find the area and the perimeter of each shape :



The area = square unit

The perimeter = liner unit



The area = square unit

The perimeter = liner unit

c The area = square unit

The perimeter = liner unit



d The area =

=

The perimeter =

=

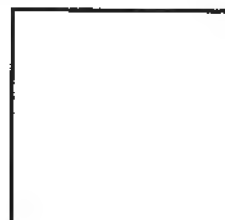


e The area =

=

The perimeter =

=

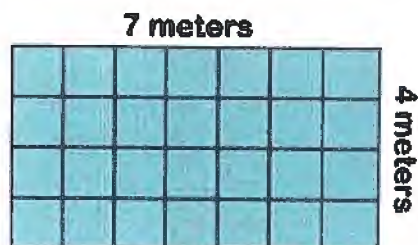


f The area =

=

The perimeter =

=

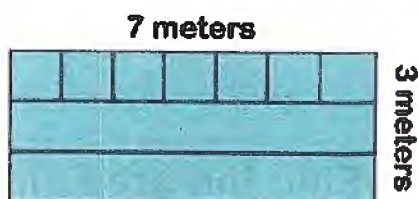


g The area =

=

The perimeter =

=

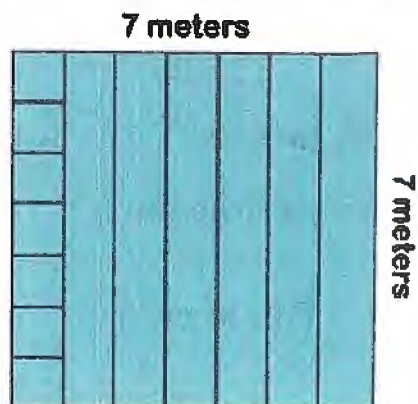


h The area =

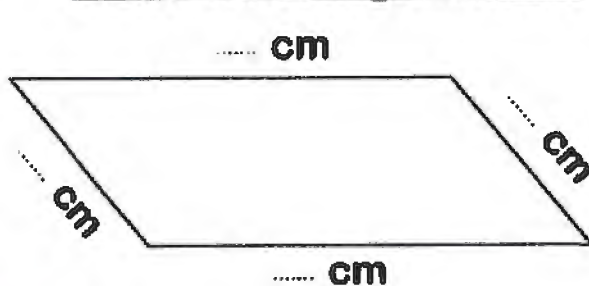
=

The perimeter =

=

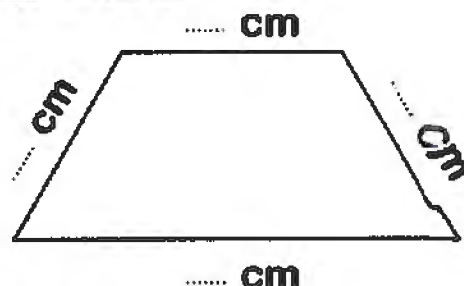


- (12) Use your ruler to measure each of the side lengths of the following then find the perimeter



a The perimeter

$$= \dots + \dots + \dots + \dots = \dots \text{ cm}$$



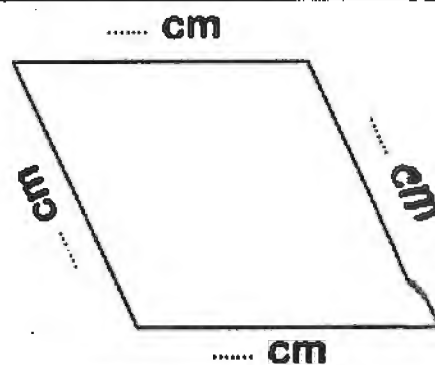
b The perimeter

$$= \dots + \dots + \dots + \dots = \dots \text{ cm}$$

c The perimeter

$$= \dots + \dots + \dots + \dots$$

$$= \dots \text{ cm}$$



- (13) What is better for measuring the volume of liquid in (capacity)? [Milliliter or liter]

a



Juice in a juice box

Milliliter

Litre

b



Water in the bathtub

Milliliter

Litre

c



Perfume in a bottle

Milliliter

Litre

d



Dishwashing soap

Milliliter

Litre

e



Water in a bottle

Milliliter

Litre

f



Shampoo in a bottle

Milliliter

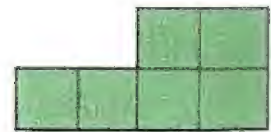
Litre

First Choose the correct answer

- a** Twelve thousand , two hundred and two =
(12 202 or 12 022 or 10 212)
- b** 40 hundreds 4000 tens (< or = or >)
- c** $8 + 8 + 8 = \dots\dots\dots$ (8×3 or 8×8 or $8 + 3$)
- d** $40 \div \dots\dots = 5$ (10 or 8 or 5)
- e** The place-value of the 9 in the number 695 003 is
(Tens or Ten-thousands or Hundred thousands)

Second Complete the following

- a** The number of sides of the hexagon is
- b** The quadrilaterals that have 4 right angles are
..... and
- c** 54 , 48 , 42 , , ,
- d** The smallest 6-different-digit number is
- e** The area of the opposite figure
is Liner unit



Third Answer the following

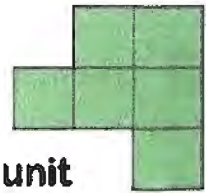
- a** Find the result :
(1) $456 + 244 = \dots\dots\dots$ (2) $800 - 325 = \dots\dots\dots$ (3) $6 \times 8 = \dots\dots\dots$
- b** Arrange the following numbers in a descending order .
10 000 , 15 000 , 999 , 90 000 , 909 000
..... , , , ,
- c** Each basket holds 12 oranges , How many oranges are there
in 5 baskets ?
- d** Use the 120 chart to write the common multiples of 6 and 8
up to 100

First Choose the correct answer

- a** The number 40 100 comes right after
(40 101 or 40 199 or 40 099)
- b** 50 hundreds + 40 thousands + 2 ones + 7 tens =
(504 027 or 45 072 or 40 572)
- c** $6 \times 3 = \dots$ ($6 + 6 + 6 + 6 + 6 + 6$ or $3 + 3 + 3$ or $9 + 9$)
- d** 70 minutes 1 hour and a quarter (< or = or >)
- e** The better unit to measure the volume of the soda in a can is
(Liter or Milliliter)

Second Complete the following

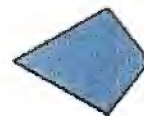
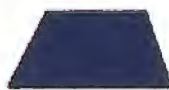
- a** The polygon that has 4 sides is called
- b** The smallest 6-digit number formed from the digits (7 , 2 and 5) is
- c** $6 \times 18 = 6 \times \dots + 6 \times \dots$
- d** 205 mm = cm + mm
- e** The perimeter of the opposite figure is square unit



Third Answer the following

- a** Find the result :
(1) $9 \times 8 = (\dots \times 10) - \dots = \dots$ (2) $7 \overline{)42}$

- b** Write the name of each quadrilatera :



- c** Write the time :



First Choose the correct answer

- a The smallest 5-different-digit number is
(10 234 or 12 345 or 10 000)
- b 205 cm $20 \text{ m} + 5 \text{ cm}$ (< or = or >)
- c $9 \times \dots = (9 \times 10) - 9$ (8 or 9 or 10)
- d The better unit to measure the length of a pencil is
(Millimeter or centimeter or Meter)
- e $9 + 200 + 7\,000 + 60 = \dots$ (9 276 or 7 296 or 7 269)

Second Complete the following

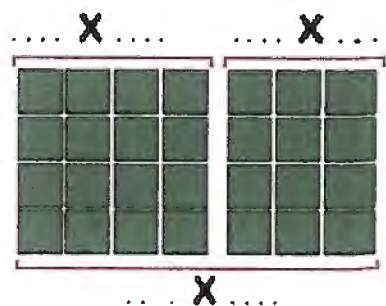
- a The number of sides of the octagon is
- b The number that comes right after 200 099 is
- c 560 201 (In the word form)
- d The opposite figure is called
, it has sides and all sides are
- e $110 \text{ minutes} = \dots \text{ hours} + \dots \text{ minutes}$



Third Answer the following

- a Use the opposite array to complete :

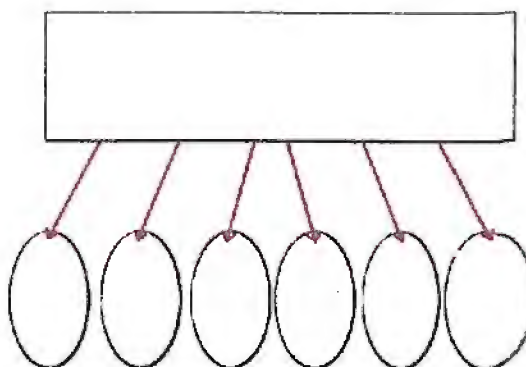
$$\begin{aligned} (1) & (\dots \times \dots) + (\dots \times \dots) \\ &= \dots \times (\dots \times \dots) \\ &= \dots \times \dots = \dots \end{aligned}$$



- b The teacher has 36 crayons to share equally between 6 students.

What is the share of each ?

Draw a part-part-whole model to show your answer .



First Choose the correct answer

- a The volume of the tea in a cup can be
(2 Liters or 200 liters or 200 milliliters)
 - b All sides are equal in length in
 - c (Parallelogram or Rhombus or Kite)
 - d The polygon that has 5 sides is called
 - e (quadrilateral or pentagon or hexagon)
- The better unit used to measure the length of an insect is
- (meter or centimeter or millimeter)
- The smallest number formed from the digits (5 , 8 , 7 , 0 and 4)
is (87 540 or 45780 or 40 578)

Second Complete the following

- a An hour and a quarter = + = minutes
- b 16 , 24 , 32 , 40 , 48 ,
- c $670\ 670 = 670 + \dots\dots\dots$
- d The value of the digit 0 in the number 75 036 is
- e 502 thousands + 704 hundreds =

Third Answer the following

- a Use the number line strategy to find :

(1) $525 + 287 = \dots\dots\dots$



(2) $628 - 327 = \dots\dots\dots$

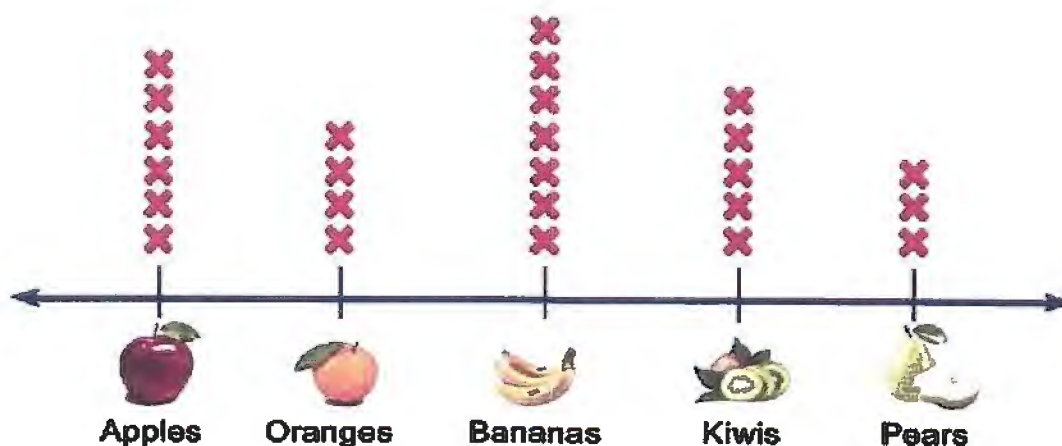


b Arrange the following numbers in an ascending order .

25 250 , 25 025 , 25 520 , 25 205 , 25 502

.....,,,,

c The following line plot shows the favorite fruit types for 25 children :



The favorite fruit

X = 1 child

(1) Which fruit is liked the most ?

(2) Which fruit is liked the least ?

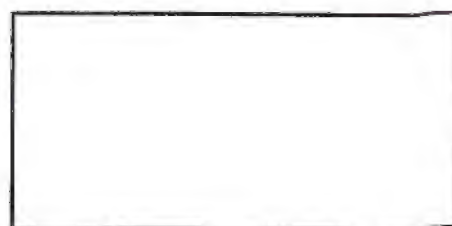
d Find the area and the perimeter of the following :

The area =

=

The perimeter =

=



First Choose the correct answer

- a Seven hundred seven thousand and seventy =
(707 070 or 700 770 or 777 000)
- b The number that comes right after 399 999 is
(399 998 or 499 999 or 400 000)
- c The value of the digit 7 in the number 37 936 is
(70 000 or 7 000 or 700)
- d 7 thousands + 200 hundreds + 50 tens =
(70 250 or 27 500 or 207 500)
- e The largest 5-digit number =
(99 999 or 98 765 or 90 000)

Second Complete the following

- a $4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 + 4 = \dots \times 6$
- b $8 \times 17 = 8 \times 8 + 8 \times \dots = \dots$
- c Each chair has 4 legs, then the number of legs that 7 chairs has legs
- d The better unit of length that used to measure the length of an insect is
- e A day = hours

Third Answer the following

- a Use the opposite figure to complete :

Thousands			Hundreds		
Hundreds	Tens	Ones	Hundreds	Tens	Ones
7	0	0	8	1	0

STANDARD
FORM

SHORT WORD
FORM

WORD
FORM

EXPANDED
FORM

..... thousands + hundreds + tens + ones

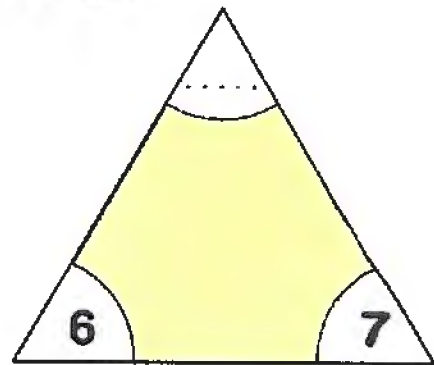
- b** Complete the missing factor in the triangle
Then complete the equations :

..... \times =

..... \times =

..... \div =

..... \div =



- c** Match each quadrilateral to its name :

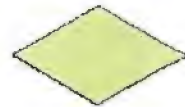
Kite

Parallelogram

Rhombus

Square

Trapezium



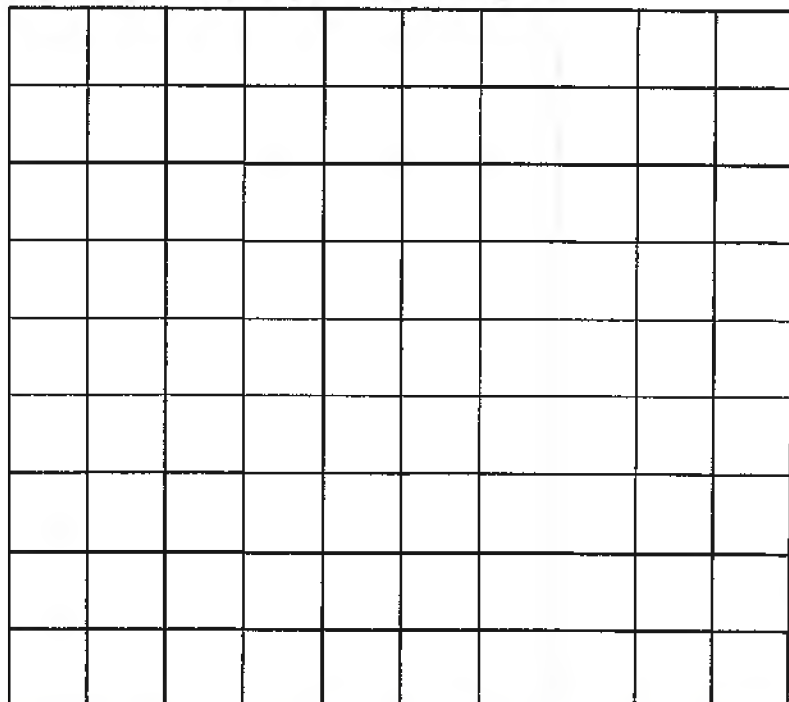
- d** On the grid below, draw and label as many rectangles
as you can with the area = 24 square units
Then write equations that match your rectangles.

.....

.....

.....

.....





Guide Answers

Part 1

The Visual Patterns

1. Complete the pattern:


a. 


b. 

c. AB, ABB, ABBB, ABBBB, ABBBBB

d. 10, 20, 30, 40, 50, 60, 70

2. Look at the frogs. Then figure out the next two numbers in the pattern:


a. 


b. 

Part 2

Visual Patterns

1. Complete the pattern:


a. 


b. 

c. AB, ABB, ABBB, ABBBB, ABBBBB

d. 10, 20, 30, 40, 50, 60, 70

2. Look at the frogs. Then figure out the next two numbers in the pattern:


a. 


b. 

Part 3

Visual Patterns

1. Complete the pattern:


a. 


b. 

c. AB, ABB, ABBB, ABBBB, ABBBBB

d. 10, 20, 30, 40, 50, 60, 70

2. Look at the frogs. Then figure out the next two numbers in the pattern:


a. 


b. 

Part 4

Visual Patterns

1. Complete the pattern:


a. 


b. 

c. AB, ABB, ABBB, ABBBB, ABBBBB

d. 10, 20, 30, 40, 50, 60, 70

2. Look at the frogs. Then figure out the next two numbers in the pattern:


a. 


b. 

Part 5

Visual Patterns

1. Complete the pattern:


a. 


b. 

c. AB, ABB, ABBB, ABBBB, ABBBBB

d. 10, 20, 30, 40, 50, 60, 70

2. Look at the frogs. Then figure out the next two numbers in the pattern:


a. 


b. 

Part 6

Visual Patterns

1. Complete the pattern:


a. 


b. 

c. AB, ABB, ABBB, ABBBB, ABBBBB

d. 10, 20, 30, 40, 50, 60, 70

2. Look at the frogs. Then figure out the next two numbers in the pattern:


a. 


b. 

Part 7

Visual Patterns

1. Complete the pattern:


a. 


b. 

c. AB, ABB, ABBB, ABBBB, ABBBBB

d. 10, 20, 30, 40, 50, 60, 70

2. Look at the frogs. Then figure out the next two numbers in the pattern:


a. 


b. 

Part 8

Visual Patterns

1. Complete the pattern:


a. 


b. 

c. AB, ABB, ABBB, ABBBB, ABBBBB

d. 10, 20, 30, 40, 50, 60, 70

2. Look at the frogs. Then figure out the next two numbers in the pattern:

a. 

b. 

Part 9

Visual Patterns


1. Complete the pattern:


a.


MATHS


FOUR PAGES


1. Complete the pattern:

2. 

3. 

4. 

5. 

6. 

7. AB , AAB , AAA , AAAA , AAAAA , AAAAAA

8. UUUUU , UUUUUU , UUUUUUU , UUUUUUUU

9. 50 , 60 , 70 , 80 , 90 , 100

10. 60 , 50 , 40 , 30 , 20 , 10

5

Look at the items. Then figure out the next two triangles in the pattern.

1. 2. 3. 4. 5.

6. 7. 8. 9. 10.

11. 12. 13. 14. 15.

Example 2 This bar graph & The pictograph

I Look at the favorite fruit graph and then answer :

Fruit	Number of students
Apples	30
Mangoes	50
Bananas	40
Oranges	20

Ques-1 How many people like apples? **30**

Ques-2 How many people like mangoes? **50**

Ques-3 How many people like bananas? **40**

Ques-4 How many people like oranges? **20**

Example 1 Convert the same data from pictograph into a bar graph then complete the table

Like	Number of students
Apple	10
Mango	5
Guava	4
Orange	3
Pear	2

Fruit	Number of students
Apple	10
Mango	5
Guava	4
Orange	3
Pear	2

Answer the questions:

- How many students like Apple? 10
- How many students like Mango? 5
- How many more students like Guava than Pear? 2
- How many more students like Apple than Pear? 8
- How many students of together? 24 $10+5+4+3+2=24$
- How many students of together? 24 $10+5+4+3+2=24$
- Which post is the most? Post 1 $10+5+5+3=23$
- Which post is the least? Post 4 $10+5+5+3=23$

Maths

Use the following table to complete the bar graph.

Favourite Desserts	Talles	Number of Children
Icecream	||||	4
Mango	|||||	5
Ground Potatoes	||||	4
Ground Potatoes	|||||	12
Onion	|||||	10

Favourite dessert

Favourite dessert	Number of children
Onn	4
Mango	5
S.P	4
I.C.P	12
Onn All	10

☐ How many children like Mango? 5
☐ How many children like Onn and Icecream? 10 + 4 = 14
☐ Which dessert is liked most? Sweet potato
☐ Which dessert is liked least? Ground Potatoes

10

11 Look at the favorite fruit graph and then answer.

Fruit	Number of Students
Apple	5
Orange	3
Banana	4
Strawberry	6
Kiwi	2
Pear	1

12 Complete the following table.

Fruit	Apple	Orange	Banana	Strawberry	Kiwi	Pear
Number of Students	5	3	4	6	2	1

13 Answer the questions.

- How many students like orange? 3
- How many more students like strawberry than pear? 5
- How many students like together the apple and orange? $5 + 3 = 8$
- Which fruit do most like? **Strawberry**
- Which fruit do least like? **Pear**

12. Look at the Favorite Colors graph and then answer questions about the data.

Favorite Colors (Millions of Children)

Color	Millions of Children
Blue	80
Red	30
Green	20
Yellow	50
Orange	70
Purple	50

Answer the questions.

1. How many people loved red? 30

2. How many people loved blue? 80

3. How many people loved green? 20

4. How many people loved yellow? 50

5. How many people loved orange? 70

6. How many people loved purple? 50

7. How many people loved pink? 30

8. How many people liked red and blue? $30 + 80 = 110$

9. How many people loved yellow and orange? $50 + 70 = 120$

10. How many people loved red and blue? $30 + 80 = 110$

11. How many people loved orange and blue? $70 + 80 = 150$

12. How many people loved purple and orange? $50 + 70 = 120$

Look at the Pink 4-tower pictograph and then answer:

Sunday	4 stars
Monday	3 stars
Tuesday	2 stars
Wednesday	1 star
Thursday	1 star
Friday	1 star

1 star = 5 flowers

4 stars = 20 flowers

Complete the following table:

Days	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Number of flowers	20	15	10	5	5	5	5

Answer the questions:

- How many flowers were picked on Monday? 50
- How many flowers were picked on Tuesday? 40
- How many flowers were picked on Saturday? 50
- How many flowers were picked on Sunday? 20
- How many flowers were picked on Wednesday? 50
- How many flowers were picked on Thursday? 50
- How many flowers were picked on Friday? 50
- How many flowers were picked on Saturday? 50
- How many flowers were picked on Sunday? 50
- How many flowers were picked on Monday? 50
- How many flowers were picked on Tuesday? 50
- How many flowers were picked on Wednesday? 50
- How many flowers were picked on Thursday? 50
- How many flowers were picked on Friday? 50
- How many flowers were picked on Saturday? 50
- How many flowers were picked on Sunday? 50

MAKES

Look at the pictograph and then answer.

Name	Number of Cookies
Sara	11
Uma	8
Adnan	18
Sandy	5
Jana	11
Adam	10

Complete the following table:

Name	Uma	Adnan	Sara	Sandy	Jana	Adam
Number of Cookies	8	18	11	5	11	10

Answer the questions:

- How many cookies did Umar eat? 8
- How many cookies did Umar eat? 10
- How many more cookies did Umar eat than Adam? $11 - 5 = 6$
- How many more cookies did Sandy eat than Umar? $11 - 10 = 1$
- How many cookies did Umar, Umar and Adam eat? $11 + 18 + 5 = 32$
- How many cookies did Umar and Sandy eat? $8 + 11 = 19$
- What did you find most interesting?
- What did you find least interesting?

MAKES

14

MAKES

Use the following table to complete the bar graph:

Name	Number of Books
Yasmin	8
Adnan	6
Sara	4
Sandy	7
Yasmin	2
Lara	4

Complete the bar graph:

Use the bar graph to complete the table:

Name	Number of books read
Yasmin	8
Adnan	6
Sara	4
Sandy	7
Yasmin	2
Lara	4

15

MAKES

Use the following table to complete the bar graph:

Name	Number of Children
Yasmin	8
Adnan	6
Sara	4
Sandy	7
Yasmin	2
Lara	4

Complete the bar graph:

Use the bar graph to complete the table:

Name	Number of children who like the fruit
Yasmin	8
Adnan	6
Sara	4
Sandy	7
Yasmin	2
Lara	4

16

MAKES

Choose the correct answer:

- The group value of the digit 7 in the number 273 is 70 .
- Two hundred and two is 202 .
- $4 \times 5 = 20$.
- 80 tens = 800 .
- 8 ones = 80 .

Complete the following:

- 8 ones = 80 .
- The smallest 2 digit number is 10 .
- The value of the digit 3 in the number 345 is 30 .
- The number 345 is 345 .
- 345 is 345 .

Answer the following:

- Find the sum: $25 + 35 = 60$.
- Find the difference: $50 - 15 = 35$.
- Find the product: $4 \times 5 = 20$.
- Find the quotient: $20 \div 4 = 5$.

17

MAKES

Create a line plot using eggs in the basket data. Use the data to draw your line plot.

Number of eggs	Frequency
15	2
16	4
17	5
18	1
19	0
20	4
21	0
22	2

Line plot:

18

MAKES

The following data shows the weights of 20 children (in kilograms). Create a line plot using these data.

Weight (kg)	Frequency
34	2
35	4
36	2
37	4
38	2
39	2
40	2

Line plot:

19

MAKES

The following line plot represents the methods used by 30 students to reach school.

Answer the following:

- How many students go to school by car? 2
- How many students go to school by bicycle? 8
- How many students go to school by bus? 10
- How many students go to school on foot? 10
- What is the most popular means of transportation for students? **Bus**
- How many more students go by bus to school than by bicycle? $10 - 8 = 2$

20

MAKES

The following numbers are the result from a test taken by a class of 34 students:

Score	Frequency
11	2
12	3
13	1
14	3
15	4
16	2
17	1
18	2
19	1
20	2
21	1
22	1

Line plot:

21

MAKES

Create a line plot using eggs in the basket data. Use the data to draw your line plot.

Number of eggs	Frequency
20	2
21	3
22	2
23	2
24	0
25	0
26	1
27	1

Line plot:

22

Write the number shown on the Abacus:

82 348
 82 thousand, 348
 $8 \times 10,000 + 2 \times 1,000 + 3 \times 100 + 4 \times 10 + 8 \times 1$
 82 thousand, three hundred and forty eight

13 074
 13 thousand, 74
 $1 \times 10,000 + 3 \times 1,000 + 7 \times 10 + 4 \times 1$
 13 thousand, seven tens and four ones

33 thousand, 074
 33 thousand, 74
 $3 \times 10,000 + 3 \times 1,000 + 7 \times 10 + 4 \times 1$
 33 thousand, seven tens and four ones

30 610
 30 thousand, 610
 $3 \times 10,000 + 0 \times 1,000 + 6 \times 100 + 1 \times 10 + 0 \times 1$
 30 thousand, six hundred and ten

80 thousand, 620
 80 thousand, six hundred and twenty
 $8 \times 10,000 + 0 \times 1,000 + 6 \times 100 + 2 \times 10 + 0 \times 1$
 80 thousand, six hundred and twenty

Write the number shown on the Abacus:

20 100
 20 thousand, 100
 $2 \times 10,000 + 0 \times 1,000 + 1 \times 100 + 0 \times 10 + 0 \times 1$
 20 thousand, one hundred

18 500
 18 thousand, 500
 $1 \times 10,000 + 8 \times 1,000 + 5 \times 100 + 0 \times 10 + 0 \times 1$
 18 thousand, five hundred

10 000
 10 thousand
 $1 \times 10,000 + 0 \times 1,000 + 0 \times 100 + 0 \times 10 + 0 \times 1$
 10 thousand

80 thousand, 008
 80 thousand, eight
 $8 \times 10,000 + 0 \times 1,000 + 0 \times 100 + 0 \times 10 + 8 \times 1$
 80 thousand, eight

Complete the following table:

87 835	87 thousand, 835
87 835	Eighty seven thousand, eight hundred and thirty five
67 000	67 thousand, 000
67 000	67 thousand, 000
62 000	62 thousand, 000
62 000	62 thousand, 000
50 000	50 thousand, 000
52 000	52 thousand, 000
60 200	60 thousand, 200
60 200	60 thousand, 200
60 000	60 thousand, 000
60 000	60 thousand, 000
15 100	15 thousand, 100
15 100	15 thousand, 100
10 000	10 thousand, 000
10 000	10 thousand, 000

Complete the following:

20 201
 20 thousand, 201
 $2 \times 10,000 + 0 \times 1,000 + 2 \times 100 + 0 \times 10 + 1 \times 1$
 20 thousand, two hundred and one

50 100
 50 thousand, 100
 $5 \times 10,000 + 0 \times 1,000 + 1 \times 100 + 0 \times 10 + 0 \times 1$
 50 thousand, one hundred

50 100
 50 thousand, 100
 $5 \times 10,000 + 0 \times 1,000 + 1 \times 100 + 0 \times 10 + 0 \times 1$
 50 thousand, one hundred

70 000
 70 thousand, 000
 $7 \times 10,000 + 0 \times 1,000 + 0 \times 100 + 0 \times 10 + 0 \times 1$
 70 thousand

60 100
 60 thousand, 100
 $6 \times 10,000 + 0 \times 1,000 + 1 \times 100 + 0 \times 10 + 0 \times 1$
 60 thousand, one hundred

Write the following numbers in numerical form:

a) Ninety six thousand, five hundred and fifteen: 96 515
 b) Seventy thousand, two hundred and five: 70 205
 c) Ten thousand and five: 10 005
 d) Sixteen thousand and four hundred: 16 400
 e) Five thousand and eleven: 5 011
 f) 80 000 + 2 000 + 500 + 40 + 2 = 82 942
 g) 800 + 50 000 + 7 = 50 807
 h) 20 + 1 + 70 000 + 4000 = 74 021
 i) 25 thousands + 4 hundred + 4 tens + 2 ones = 25 442
 j) 4 hundreds + 96 thousands + 2 ones + 8 tens = 96 482
 k) 5 hundreds + 80 thousands + 4 ones + 9 tens = 80 495
 l) 48 thousand, 400 = 48 400

Write the following numbers in expanded form:

a) 46 568 = 40,000 + 6,000 + 500 + 60 + 8
 b) 98 135 = 90,000 + 8,000 + 100 + 30 + 5
 c) 30 065 = 30,000 + 60 + 5
 d) Ninety six thousand, two hundred and fifty seven = 96,000 + 200 + 50 + 7
 e) Eighty thousand, five hundred and two = 80,000 + 500 + 2
 f) Ten thousand and five = 10,000 + 5
 g) 15 thousand, 200 = 15,000 + 200
 h) 70 thousand, 200 = 70,000 + 200

Write the following numbers in expanded form:

a) 34 286 = 30,000 + 4,000 + 200 + 80 + 6
 b) 40 120 = 40,000 + 1,000 + 200 + 20 + 0
 c) 66 138 = 60,000 + 6,000 + 100 + 30 + 8
 d) 18 050 = 10,000 + 8,000 + 500 + 0 + 0
 e) Seventy two thousand, six hundred and fourteen = 72,000 + 600 + 14
 f) 22 thousand, 14 tens + 6 hundreds = 22,140 + 600
 g) Eighteen thousand, five hundred and twenty seven = 18,000 + 500 + 20 + 7
 h) 18 thousand, 6 hundred + 3 tens + 7 ones = 18,637
 i) 1 ten + 0 hundreds + 50 thousands + 0 ones = 50 010

Write the following numbers in word form:

a) 48 500: Forty eight thousand, five hundred and zero

b) 20 020: Twenty thousand and twenty

c) 20 105: Twenty thousand, one hundred and five

d) 13 thousand, 200: Thirteen thousand, two hundred

e) 40 thousand, 830: Forty thousand, eight hundred and thirty

f) 10 thousand, 070: Ten thousand and seventy

Write the following numbers in word form:

a) 30 thousand + 6 hundreds + 4 tens + 2 ones =
 Thirty thousand, six hundred and forty two

b) 63 thousand + 8 tens + 6 hundreds + 2 ones =
 Sixty three thousand, eight hundred and twenty two

c) 2 hundreds + 82 thousands + 7 ones + 6 tens =
 Eighty two thousand, seven hundred and twenty seven

d) 7 ones + 98 thousands + 4 hundreds + 3 tens =
 Ninety eight thousand, four hundred and thirty seven

e) 50 000 + 3 000 + 100 = 53 100
 Fifty three thousand, one hundred

f) 10 + 80 000 + 600 + 4 + 7 000 =
 Eighty thousand, seven hundred and forty four

g) 30 000 + 80 + 4 =
 Thirty thousand, eighty four

h) 80 000 + 4 000 + 30 =
 Eighty four thousand, thirty

Write the following numbers in word form:

a) 30 thousand + 6 hundreds + 4 tens + 2 ones =
 Thirty thousand, six hundred and forty two

b) 63 thousand + 8 tens + 6 hundreds + 2 ones =
 Sixty three thousand, eight hundred and twenty two

c) 2 hundreds + 82 thousands + 7 ones + 6 tens =
 Eighty two thousand, seven hundred and twenty seven

d) 7 ones + 98 thousands + 4 hundreds + 3 tens =
 Ninety eight thousand, four hundred and thirty seven

e) 50 000 + 3 000 + 100 = 53 100
 Fifty three thousand, one hundred

f) 10 + 80 000 + 600 + 4 + 7 000 =
 Eighty thousand, seven hundred and forty four

g) 30 000 + 80 + 4 =
 Thirty thousand, eighty four

h) 80 000 + 4 000 + 30 =
 Eighty four thousand, thirty

Write the number shown on the Abacus:

900 937
 900 thousand, 937
 $9 \times 100,000 + 0 \times 10,000 + 0 \times 1,000 + 9 \times 100 + 3 \times 10 + 7 \times 1$
 900 thousand, nine hundred and thirty seven

200 300
 200 thousand, 300
 $2 \times 100,000 + 0 \times 10,000 + 3 \times 1,000 + 0 \times 100 + 0 \times 10 + 0 \times 1$
 200 thousand, three hundred

420 421
 420 thousand, 421
 $4 \times 100,000 + 2 \times 10,000 + 0 \times 1,000 + 4 \times 100 + 2 \times 10 + 1 \times 1$
 420 thousand, four hundred and twenty one

Part 1

1. The number that comes right after:

- 625 365
- 416 021
- 240 002
- 673 290
- 010 398
- 316 999
- 170 989
- 009 999
- 439 999
- 99 999

2. The number that comes right before:

- 183 368
- 253 042
- 666 224
- 380 240
- 745 190
- 042 300
- 266 100
- 680 000
- 110 000
- 100 000

3. The number that comes right after:

- 2 6 030
- 4 200
- 5 100
- 6 200
- 00 000
- 40 000
- 10 000
- 000 000
- 10 000
- 12 255

4. The number that comes right before:

- 1 000
- 3 000
- 5 000
- 5 220
- 6 100
- 4 999
- 10 999
- 56 110
- 24 000
- 31 200

76

Part 2

1. Complete the following table:

The number before	The number	The number after
329 354	329 355	329 356
312 030	312 031	312 032
146 118	146 119	146 120
036 010	036 011	036 012
80 009	80 010	80 011
5 000 018	5 000 019	5 000 020
408 010	408 011	408 012
55 000	55 001	55 002
30 000	30 001	30 002
30 000	30 001	30 002
10 000	10 001	10 002
1 000	1 001	1 002
100	101	102
10	11	12

74

Part 3

1. Complete the given pattern:

a) 12 000, 12 010, 12 020, 12 030, 12 040, 12 050, 12 060, 12 070, 12 080, 12 090, 12 100, 12 110, 12 120, 12 130, 12 140, 12 150, 12 160, 12 170, 12 180, 12 190, 12 200

b) 0 200, 0 210, 0 220, 0 230, 0 240, 0 250, 0 260, 0 270, 0 280, 0 290, 0 300, 0 310, 0 320, 0 330, 0 340, 0 350, 0 360, 0 370, 0 380, 0 390, 0 400

c) 67 000, 67 010, 67 020, 67 030, 67 040, 67 050, 67 060, 67 070, 67 080, 67 090, 67 100, 67 110, 67 120, 67 130, 67 140, 67 150, 67 160, 67 170, 67 180, 67 190, 67 200

d) 37 000, 37 010, 37 020, 37 030, 37 040, 37 050, 37 060, 37 070, 37 080, 37 090, 37 100, 37 110, 37 120, 37 130, 37 140, 37 150, 37 160, 37 170, 37 180, 37 190, 37 200

e) 8 000, 8 010, 8 020, 8 030, 8 040, 8 050, 8 060, 8 070, 8 080, 8 090, 8 100, 8 110, 8 120, 8 130, 8 140, 8 150, 8 160, 8 170, 8 180, 8 190, 8 200

f) 57 020, 57 030, 57 040, 57 050, 57 060, 57 070, 57 080, 57 090, 57 100, 57 110, 57 120, 57 130, 57 140, 57 150, 57 160, 57 170, 57 180, 57 190, 57 200

g) 210 000, 210 010, 210 020, 210 030, 210 040, 210 050, 210 060, 210 070, 210 080, 210 090, 210 100, 210 110, 210 120, 210 130, 210 140, 210 150, 210 160, 210 170, 210 180, 210 190, 210 200

75

Part 4

1. Complete:

- The number that comes right after 308 256 is 308 257
- The number that comes right after 70 999 is 71 000
- The number that comes right after 320 is 321
- The number that comes right before 159 000 is 158 999
- The number that comes right before 23 100 is 23 099
- The number that comes right before 2 980 is 2 979
- The number 355 925 comes right after 355 924
- The number 16 000 comes right after 15 999
- The number 1 323 comes right after 1 322
- The number 89 999 comes right after 89 998
- The number 105 009 comes right after 105 008
- The number 5 200 comes right after 5 199
- The number 500 000 comes right after 499 999
- The number 11 310 comes right after 11 309
- The number 7 124 comes right after 7 123
- The number 80 100 comes right after 80 099
- The number 163 322 comes right after 163 321
- The number 1 400 comes right after 1 399

76

Part 5

1. Choose the correct answer:

The number that comes right after 745 700 is

a) 745 701 b) 745 702 c) 745 703 d) 745 704

2. Complete the following:

The number 78 013 comes right before 78 014

78 + 1 = 79

78 013 + 1 = 78 014

78 013 + 10 = 78 023

78 013 + 100 = 78 113

78 013 + 1 000 = 79 013

78 013 + 10 000 = 88 013

78 013 + 100 000 = 178 013

78 013 + 1 000 000 = 1 078 013

3. Complete the following:

The number 78 013 comes right before 78 014

78 013 + 1 = 78 014

78 013 + 10 = 78 023

78 013 + 100 = 78 113

78 013 + 1 000 = 79 013

78 013 + 10 000 = 88 013

78 013 + 100 000 = 178 013

78 013 + 1 000 000 = 1 078 013

77

Part 6

1. Comparing Two Numbers:

a) The largest number formed from:

4, 5, 6, 7, 8, 9, 0

b) The smallest number formed from:

4, 5, 6, 7, 8, 9, 0

2. Complete using <, = or >:

45 680 < 45 681

45 680 < 45 682

45 680 < 45 683

45 680 < 45 684

45 680 < 45 685

45 680 < 45 686

45 680 < 45 687

45 680 < 45 688

45 680 < 45 689

45 680 < 45 690

45 680 < 45 691

45 680 < 45 692

45 680 < 45 693

45 680 < 45 694

45 680 < 45 695

45 680 < 45 696

45 680 < 45 697

45 680 < 45 698

45 680 < 45 699

45 680 < 45 700

78

Part 7

1. Complete the following:

The largest 6-digit number is 999 999

The largest number formed from 5 different digits is 98 765

The largest number formed from 5 same digits is 99 999

The smallest 4-digit number is 1 000

The smallest number formed from 4 different digits is 1 023

The smallest number formed from 4 same digits is 1 111

The largest number formed from the digits: 1, 2, 3, 4, 5 is 54 321

The smallest number formed from the digits: 1, 2, 3, 4, 5 is 12 345

The largest 8-digit number formed from the digits: 1, 2, 3, 4, 5, 6, 7, 8 is 87 654 321

The smallest 8-digit number formed from the digits: 1, 2, 3, 4, 5, 6, 7, 8 is 12 345 678

79

Part 8

1. Complete using <, = or >:

345 123 < 345 124

345 123 < 345 125

345 123 < 345 126

345 123 < 345 127

345 123 < 345 128

345 123 < 345 129

345 123 < 345 130

345 123 < 345 131

345 123 < 345 132

345 123 < 345 133

345 123 < 345 134

345 123 < 345 135

345 123 < 345 136

345 123 < 345 137

345 123 < 345 138

345 123 < 345 139

345 123 < 345 140

345 123 < 345 141

345 123 < 345 142

345 123 < 345 143

345 123 < 345 144

345 123 < 345 145

345 123 < 345 146

345 123 < 345 147

345 123 < 345 148

345 123 < 345 149

345 123 < 345 150

80

Part 9

1. Complete the following:

The largest 4-digit number is 9 999

The largest number formed from 4 different digits is 9 876

The largest number formed from 4 same digits is 9 999

The smallest 4-digit number is 1 000

The smallest number formed from 4 different digits is 1 023

The smallest number formed from 4 same digits is 1 111

The largest number formed from the digits: 1, 2, 3, 4, 5 is 54 321

The smallest number formed from the digits: 1, 2, 3, 4, 5 is 12 345

The largest 8-digit number formed from the digits: 1, 2, 3, 4, 5, 6, 7, 8 is 87 654 321

The smallest 8-digit number formed from the digits: 1, 2, 3, 4, 5, 6, 7, 8 is 12 345 678

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MAIN

4 The largest number formed from the digits:

(1) 6, 0, 2, 7 and 3 is 476 522
 (2) 7, 4, 2, 0, 1 and 5 is 742 421
 (3) 0, 0, 5 and 4 is 5 443
 (4) 0, 0, 0, 4 and 1 is 4 000
 (5) 0, 2, 4, 0 and 7 is 74 000
 (6) 2, 7, 0 and 3 is 7 320

The smallest number formed from the digits:

(1) 0, 2, 5 and 0 is 2 050
 (2) 7, 0, 0 and 4 is 4 070
 (3) 2, 0, 5 and 3 is 2 035
 (4) 7, 0, 0 and 1 is 1 007
 (5) 0, 2, 7, 6, 3 and 6 is 236 709
 (6) 4, 1, 0, 7, 0 and 9 is 106 679

The largest and the smallest 8-digit number formed from the digits:

(1) 8, 3, 7 and 9 is 89 732, 22 379
 (2) 3, 2, 0 and 9 is 99 932, 22 230
 (3) 9 and 3 is 99 999, 33 333
 (4) 9, 3, 0 and 1 is 90 037, 222 730
 (5) 9, 3, 0 and 1 is 900 031, 111 209
 (6) 3 and 0 is 314 000, 333 732

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MAIN

Choose the correct answer:

The largest number formed from 5 different digits is
 (1) 99 999 (2) 98 765 (3) 9 999
 720 072 = 72 (1) 200 (2) 72 (3) 200
 The value of the digit 1 in the number 438 588 is
 (1) 40 000 (2) 8 000 (3) 800
 45 hundreds = (1) 450 (2) 45 000 (3) 450
 18 thousands + 9 tens + 5 hundreds + 1 tens =
 (1) 18 300 (2) 18 045 (3) 18 390

Complete the following:

Eighteen thousand and eight is (1) 18 018
 The smallest 6-digit number formed from the digits 1, 9, 4 and 7 is 121 257
 The smallest 4-digit number is 1 000
 The place value of the digit 5 in the number 84 532 is Hundreds
 72 800 = 70 000 + 2 800 = 300 + 63 = 9

Answer the following:

Complete using <, > or =:

(1) 600 221 > 600 321 (2) 91 003 < 91 003
 (3) 9 000 > 10 000 (4) 7043 < 7 403
 (5) 11 000 + 300 > 11 300
 (6) 10 000 + 500 > 10 500
 (7) 10 000 + 500 > 10 500
 (8) 10 000 + 500 > 10 500

83

MAIN

Arrange the numbers in ascending and descending order:

2 703 510, 645 050, 68 125, 100 000, 445 005

The ascending order:
 68 125, 100 000, 445 005, 645 050, 2 703 510

The descending order:
 2 703 510, 645 050, 445 005, 68 125, 100 000

Arrange each group of the following numbers in an ascending order and in a descending order:

(1) 45 000, 21 700, 98 102, 75 003, 62 650
 The ascending order:
 21 700, 45 000, 62 650, 75 003, 98 102
 The descending order:
 98 102, 75 003, 62 650, 45 000, 21 700

(2) 22 023, 68 123, 75 023, 54 307, 20 360
 The ascending order:
 20 360, 22 023, 54 307, 75 023, 68 123
 The descending order:
 75 023, 68 123, 54 307, 22 023, 20 360

(3) 500 365, 600 330, 500 300, 500 300
 The ascending order:
 500 300, 500 300, 500 330, 500 365
 The descending order:
 500 365, 500 330, 500 300, 500 300

(4) 700 004, 700 000, 700 004, 700 004, 700 000
 The ascending order:
 700 000, 700 004, 700 000, 700 004, 700 004
 The descending order:
 700 004, 700 004, 700 004, 700 000, 700 000

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Arrange each group of the following numbers in an ascending order and in a descending order:

(1) 45 000, 21 700, 98 102, 75 003, 62 650
 The ascending order:
 21 700, 45 000, 62 650, 75 003, 98 102
 The descending order:
 98 102, 75 003, 62 650, 45 000, 21 700

(2) 22 023, 68 123, 75 023, 54 307, 20 360
 The ascending order:
 20 360, 22 023, 54 307, 75 023, 68 123
 The descending order:
 75 023, 68 123, 54 307, 22 023, 20 360

(3) 500 365, 600 330, 500 300, 500 300
 The ascending order:
 500 300, 500 300, 500 330, 500 365
 The descending order:
 500 365, 500 330, 500 300, 500 300

(4) 700 004, 700 000, 700 004, 700 004, 700 000
 The ascending order:
 700 000, 700 004, 700 000, 700 004, 700 004
 The descending order:
 700 004, 700 004, 700 004, 700 000, 700 000

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5 123, 0 120, 0 320, 0 019, 4 002

The ascending order:
 0 019, 0 120, 0 320, 4 002, 5 123

The descending order:
 5 123, 4 002, 0 320, 0 120, 0 019

6 100 451, 160 154, 160 541, 130 410, 106 145

The ascending order:
 106 145, 130 410, 160 154, 160 541, 160 451

The descending order:
 160 541, 160 451, 160 154, 160 145, 130 410

7 16 501, 16 106, 16 016, 16 050, 16 610

The ascending order:
 16 016, 16 106, 16 501, 16 610, 16 050

The descending order:
 16 610, 16 501, 16 106, 16 050, 16 016

8 40 050, 40 005, 40 000, 40 500, 40 550

The ascending order:
 40 000, 40 005, 40 050, 40 500, 40 550

The descending order:
 40 550, 40 500, 40 050, 40 005, 40 000

9 0 000, 1 000, 10 000, 1 000, 10 000

The ascending order:
 0 000, 1 000, 1 000, 10 000, 10 000

The descending order:
 10 000, 10 000, 1 000, 1 000, 0 000

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MAIN

Choose the correct answer:

5 ones + 8 hundreds = 84 tens only = 8 tens =
 (1) 740 (2) 7400 (3) 74000

Twenty-four thousand and twenty-five is
 (1) 24 025 (2) 24 000 (3) 24 005

500 + 0 + 0 =
 (1) 500 (2) 5000 (3) 50000

1000 hundreds =
 (1) 100 000 (2) 100 0000 (3) 100 00000

1, only five thousand and eight is
 (1) 5000 (2) 500 (3) 50000

Complete the following:

The place value of the digit 7 in the number 881 000 is Hundreds
 The number 501 300 comes right after 500 000
 85 000, 25 000, 85 000, 25 000, 25 000
 The largest 5-digit number is 99 999
 2 000 more than 2 000 is 2000

Answer the following:

Arrange the following in order: 45 000, 45 000, 45 000, 45 000
 45 000, 45 000, 45 000, 45 000
 Arrange the following numbers in an ascending order:
 50 000, 50 000, 50 000, 50 000
 50 000, 50 000, 50 000, 50 000
 Write the number in words: 100 000, 100 000, 100 000, 100 000

The smallest number = 100 000 The largest number = 100 000

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MAIN

Complete using <, > or =:

5 023 < 52 009 75 009 < 70 003
 10 101 > 5 017 64 002 > 64 20
 20 thousands + 0 hundreds < 20 000
 60 = 600 Sixty thousand and only

Write the number shown on the Abacus:

91 002 Ninety one thousand and eighty two
 99 000 + 1000 + 90 + 0
 91 thousand + 9 hundred + 9 tens + 0 ones

Complete in the same pattern:

97 000 98 000 99 000 100 000
 98 000 99 000 100 000 101 000
 99 000 100 000 101 000 102 000
 100 000 101 000 102 000 103 000

The pattern is 1000

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MAIN

Addition

Example: To add: 3 567 + 1 521

3 567 = 3 000 + 500 + 60 + 7
 1 521 = 1 000 + 500 + 20 + 1
 4 000 + 1 000 + 80 + 8 = 5 088

Solve the addition problems below using the place value strategy:

Problems	Work Space	Sum
887 + 321	800 + 30 + 7 300 + 20 + 1 000 + 00 + 0	1208
9 237 + 1 562	9 000 + 200 + 30 + 7 1 000 + 500 + 60 + 2 7 000 + 700 + 110 + 9	10 800
2 514 + 270	2 000 + 500 + 10 + 4 200 + 70 + 0 2 000 + 700 + 80 + 14	2 784

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MAIN

Example: To add: 567 + 321

Solve the addition problems below using the number line strategy:

Problems	Work Space	Sum
567 + 321	500 + 30 + 7 500 500 500 500 500 500 500 500 500 500 500 500	888
8 237 + 1 562	8 000 + 200 + 30 + 7 1 000 + 500 + 60 + 2 7 000 + 700 + 110 + 9	9 800
2 514 + 270	2 000 + 500 + 10 + 4 200 + 70 + 0 2 000 + 700 + 80 + 14	2 784
2 481 + 503	2 000 + 400 + 80 + 1 400 + 00 + 0 2 000 + 400 + 80 + 1	2 984

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2. Solve the addition problems below using (The place-value strategy)

Problem	Work Space	Sum
253 + 124	$\begin{array}{r} 700 + 60 + 3 \\ 100 + 20 + 7 \\ \hline 900 + 70 + 7 \end{array}$	377
378 + 342	$\begin{array}{r} 900 + 70 + 0 \\ 900 + 40 + 8 \\ \hline 1200 + 110 + 8 \end{array}$	720
125 + 430	$\begin{array}{r} 100 + 20 + 0 \\ 400 + 30 + 0 \\ \hline 500 + 50 + 0 \end{array}$	555
420 + 297	$\begin{array}{r} 400 + 20 + 0 \\ 700 + 80 + 7 \\ \hline 1100 + 100 + 7 \end{array}$	717
100 + 802	$\begin{array}{r} 100 + 0 + 0 \\ 800 + 80 + 2 \\ \hline 900 + 80 + 2 \end{array}$	902

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Problem	Work Space	Sum
5 125 + 3 753	$\begin{array}{r} 5000 + 100 + 20 + 5 \\ 3000 + 700 + 50 + 3 \\ \hline 8000 + 800 + 70 + 8 \end{array}$	8 878
5 287 + 1 521	$\begin{array}{r} 5000 + 200 + 80 + 7 \\ 1000 + 500 + 20 + 1 \\ \hline 6000 + 700 + 100 + 8 \end{array}$	6 808
2 458 + 3 491	$\begin{array}{r} 2000 + 400 + 50 + 8 \\ 3000 + 400 + 90 + 1 \\ \hline 5000 + 800 + 140 + 9 \end{array}$	5 949
5 488 + 2 314	$\begin{array}{r} 5000 + 400 + 80 + 8 \\ 2000 + 300 + 10 + 4 \\ \hline 7000 + 700 + 90 + 12 \end{array}$	7 802
7 357 + 2 42	$\begin{array}{r} 7000 + 300 + 50 + 7 \\ 200 + 40 + 2 \\ \hline 7000 + 340 + 52 + 9 \end{array}$	7 599
5 824 + 257	$\begin{array}{r} 5000 + 800 + 20 + 4 \\ 200 + 50 + 7 \\ \hline 5000 + 1050 + 27 + 11 \end{array}$	6 081

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2. Solve the addition problems below using (The number line strategy)

Problem	Work Space	Sum
898 + 343		1241
107 + 237		344
124 + 773		897
257 + 212		469
894 + 421		1315

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MAIN

Problem	Work Space
5 125 + 4 234	
5 601 + 2 523	
4 258 + 5 124	
6 124 + 325	
3 587 + 412	

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MAIN

4. Find the sum of each of the following:

$\begin{array}{r} 123 \\ + 75 \\ \hline 508 \end{array}$	$\begin{array}{r} 325 \\ + 76 \\ \hline 401 \end{array}$	$\begin{array}{r} 478 \\ + 159 \\ \hline 637 \end{array}$
$\begin{array}{r} 123 \\ + 54 \\ \hline 422 \end{array}$	$\begin{array}{r} 325 \\ + 52 \\ \hline 377 \end{array}$	$\begin{array}{r} 919 \\ + 99 \\ \hline 1018 \end{array}$
$\begin{array}{r} 714 \\ + 198 \\ \hline 912 \end{array}$	$\begin{array}{r} 722 \\ + 278 \\ \hline 1000 \end{array}$	$\begin{array}{r} 725 \\ + 192 \\ \hline 917 \end{array}$

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MAIN

Read & Answer

1. Choose the correct answer.

The lowest 8 digit of a number is

328 thousand, 50 = (328 000 + 500) = (328 500)

45 000 comes right after (45 000) = (45 000)

450 000 = 450 000 = (450 000)

The value of the digit 8 in the number 888 888 is (80 000)

2. Complete the following.

The smallest number between 80 and 90 is (85)

3 and 4 are thousands = 4 thousands = (40 000)

The place value of the digit 0 in the number 75 000 is (tens)

The number 100 comes right after (100 000) = (100 000)

3. Answer the following.

5, 4000 + 614 = 5000 (5 000 + 614 = 5614)

500 000 + 100 + 10 000 = 510 100 (500 000 + 100 + 10 000 = 510 100)

Write the following numbers in ascending order: 200, 500 000, 20, 10 000, 1000

20, 1000, 5000, 10 000, 500 000

4. Add using the number line strategy.

(100 + 700 = 800) (100 + 700 = 800)

96

MAIN

Subtraction

1. Subtraction using the place-value strategy.

Problem: 780 - 247

Check: 542 + 247 = 789

500 + 200 = 700
40 + 40 = 80
2 + 7 = 9
700 + 80 + 9 = 789

Solve the subtraction problems below using (The place-value strategy)

Subtraction Problems	Check
854 - 523 = 331	331 + 523 = 854
780 - 400 = 380	400 + 380 = 780
2550 - 1220 = 1330	1330 + 1220 = 2550

97

MAIN

Subtraction using the number line strategy.

Problem: 855 - 403

Check: 452 + 403 = 855

Solve the subtraction problems below using (The number line strategy)

Subtraction Problems	Check
883 - 332 = 551	551 + 332 = 883
7025 - 1210 = 5815	5815 + 1210 = 7025
6520 - 410 = 6110	6110 + 410 = 6520

98

MAIN

2. Solve the subtraction problems below using (The place-value strategy)

Subtraction Problems	Check
700 - 135 = 565	565 + 135 = 700
703 - 543 = 160	160 + 543 = 703
627 - 514 = 113	113 + 514 = 627
7450 - 626 = 6824	6824 + 626 = 7450
4082 - 881 = 3201	3201 + 881 = 4082

99

ALBINO

Subtraction Problems

1. $7868 - 3521 = 4347$

2. $5321 - 6210 = -989$

3. $2108 - 2089 = 19$

4. $4321 - 201 = 4120$

5. $3580 - 240 = 3340$

6. $9105 - 550 = 8555$

Check

1. $4347 + 3521 = 7868$

2. $-989 + 6210 = 5321$

3. $19 + 2089 = 2108$

4. $4120 + 201 = 4321$

5. $3340 + 240 = 3580$

6. $8555 + 550 = 9105$

100

ALBINO

2. Solve the addition problem below using the number line strategy.

fraction Problem

1. $753 - 241 = 512$

2. $608 - 315 = 293$

3. $777 - 258 = 519$

4. $654 - 128 = 526$

5. $884 - 214 = 670$

Check

1. $512 + 241 = 753$

2. $293 + 315 = 608$

3. $519 + 258 = 777$

4. $526 + 128 = 654$

5. $670 + 214 = 884$

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Check

1. $7868 - 3521 = 4347$

2. $5321 - 6210 = -989$

3. $2108 - 2089 = 19$

4. $4321 - 201 = 4120$

5. $3580 - 240 = 3340$

6. $9105 - 550 = 8555$

ALBINO

Subtract

1. $753 - 241 = 512$

2. $608 - 315 = 293$

3. $777 - 258 = 519$

4. $654 - 128 = 526$

5. $884 - 214 = 670$

6. $1000 - 100 = 900$

7. $1000 - 100 = 900$

8. $1000 - 100 = 900$

9. $1000 - 100 = 900$

10. $1000 - 100 = 900$

100

ALBINO

Word problems on addition and subtraction

1. The following table shows borrowing books from the library during the month of September.

Grade	P1	P2	P3	P4	P5
Books Borrowed	410	317	278	187	228

2. How many books did students borrow from P1 and P2 grades together?

3. How many books did students borrow from P3, P4 and P5 grades together?

4. How many more books have students borrowed from P5 grade than P4 grade?

5. Which class borrowed the largest number of books?

100

ALBINO

Word problems on addition and subtraction

1. The following table shows the length of some of the world's longest rivers.

River	Approximate length in km
Nile	About 6650 km
Amazon	About 6400 km
Yangtze	About 5770 km
Godavari	About 1465 km

2. What is the longest river?

3. What is the shortest river?

4. What is the total length of the Nile and the Amazon river together?

5. What is the total length of the Godavari and the Nile river together?

6. How many more kilometers is the Nile than the Godavari?

100

ALBINO

1. Anura's family is saving to buy a new TV. The TV costs £600. Anura's family has saved £240. How much more money do they need to buy the TV?

2. Anura just moved to the city. He found an apartment to rent for £340 per month. He also has to pay for electricity and gas. How much money will he need to live?

3. Anura's family has a car. The car costs £1000. They have saved £400. How much more money do they need to buy the car?

4. Anura's family has a car. The car costs £1000. They have saved £400. How much more money do they need to buy the car?

100

ALBINO

Word problems on addition and subtraction

1. The table below shows the number of students in each grade in a school. Use this information to answer the questions below.

Grade	P1	P2	P3	P4	P5
Number of students	354	371	478	293	130

2. How many students are in P1 and P2 all together?

3. How many students are in P3 and P4 all together?

4. How many more students are in the P3 grade than in the P2 grade?

5. What is the class with the largest number of students?

6. Which class has the fewest students?

100

ALBINO

Word problems on addition and subtraction

1. The following table shows the length of some of the world's longest rivers.

River	Approximate length in km
Nile	About 6650 km
Amazon	About 6400 km
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Godavari	About 1465 km

2. What is the longest river?

3. What is the shortest river?

4. What is the total length of the Nile and the Amazon river together?

5. What is the total length of the Godavari and the Nile river together?

6. How many more kilometers is the Nile than the Godavari?

100

1 Read each story problem and use one of the strategies to solve it.

2 Amir's family is going to buy a new TV. The TV costs \$949. They have saved \$210. How much more money do they need to buy the TV?

$$949 - 210 = 739$$

3 Mr. Richmond raised chickens. In the past two years his chickens have to 6,399 eggs. Last year his chickens laid 3,120 eggs. How many eggs did he raise last year?

$$6,399 - 3,120 = 3,279$$

4 Mr. Richmond also raised sheep. One day he took 218 sheep out to graze on a hill. Later, his neighbor brought his sheep to the hill to graze. Now there are 693 sheep on the hill. How many sheep did the neighbor bring to the hill?

$$693 - 218 = 475$$

5 The library can hold 2,476 books, but 625 books are out on loan and 117 books are missing. How many books are there in the library right now?

$$2,476 - 625 - 117 = 1,734$$

1 Green purchased in the city to found an apartment to rent for \$346 per month. Electricity and gas will cost him \$22 per month. How much money will it cost him each month to live?

$$346 + 22 = 402$$

2 If Omar had \$500 left to spend on some items, how much money does he have left after he pays for his electric tyrod and gas?

$$500 - 402 = 98$$

3 Three boxes filled with books were just delivered to the library. If each box is filled with 216 books, how many books were delivered?

$$216 \times 3 = 648$$

4 A number has 5 thousands, 7 hundreds, 6 tens, and 4 ones. What number is it?

$$5,764$$

5 A number has 12 thousands, 15 tens, and 8 ones. What number is it?

$$12,015 + 8 = 12,023$$

1 Complete the following:

1. Twenty five hundred, six hundred and eleven = 25,611 (Stand and form)

2. 700 010 (Word form) Seven hundred thousand, one hundred and ten

3. 700 000 + 70 000 + 6 000 + 100 + 50 + 1 = 776 551

4. 100 thousand + 60 thousand + 3 hundred = 160 300

5. 70 + 0 + 0 + 0 = 70

6. 7 000 = 7 000 + 0 + 0 + 0 + 0 + 0 + 0

7. 552 189 = 500 000 + 50 000 + 2 000 + 100 + 80 + 9

8. The number that comes right after 25 250 is 25 251

9. The number 700 250 comes right after 700 249

10. The number 600 000 comes right after 599 999

11. The number that comes right before 25 000 is 24 999

12. The number 3 150 comes right before 3 151

13. The number 16 300 comes right before 16 299

14. The place value of the digit 6 in the number 256 659 is hundreds

15. The place value of the digit 7 in the number 789 896 is thousands

16. The value of the digit 7 in the number 70 150 is 70 000

17. The value of the digit 2 in the number 4 120 is 20

18. The largest 5-digit number is 99 999

19. The smallest 5-digit number is 10 000

20. The largest and the smallest number formed from the digits 2, 3, 4 and 5 are 5324 and 2345

1 Choose the correct answer:

1. Round 1000 and 10000 to the nearest thousand.

2. 5 + 10 + 400 + 3000 = 3515 or 3510 or 3512 or 3511

3. 70 100 comes right after 70 099 or 70 000 or 70 101

4. 2000 comes right before 2001 or 2000 or 2002 or 2003

5. 30 thousand + 10 tens = 30 100 or 30 010 or 30 1000 or 30 001

6. 600 hundred = 60 000 or 6000 or 600 000 or 600 0000

7. 6 000 tens = 60 000 or 600 000 or 60 0000 or 600 0000

8. 21 000 = 21 thousand or 21 000 or 21 0000 or 21 00000

9. The largest 6-digit number is 999 999 or 999 9999 or 999 9990 or 999 9991

10. The smallest 6-digit number is 100 000 or 100 0000 or 100 00000 or 100 000000

11. The largest 6-digit number is 999 999 or 999 9990 or 999 9991 or 999 9992

12. The smallest 6-digit number is 100 000 or 100 0000 or 100 00000 or 100 000000

13. The value of the digit 5 in the number 4 250 is 5000 or 500 or 50 or 5

14. The value of the digit 5 in the number 4250 is 5000 or 500 or 50 or 5

15. The value of the digit 5 in the number 4250 is 5000 or 500 or 50 or 5

16. The value of the digit 5 in the number 4250 is 5000 or 500 or 50 or 5

17. The value of the digit 5 in the number 4250 is 5000 or 500 or 50 or 5

18. The value of the digit 5 in the number 4250 is 5000 or 500 or 50 or 5

19. The value of the digit 5 in the number 4250 is 5000 or 500 or 50 or 5

20. The value of the digit 5 in the number 4250 is 5000 or 500 or 50 or 5

1 Use the following digits to find: (3, 4, 0, 4, 7)

The largest number: 75430

The smallest number: 30437

2 Use the following digits to find: (0, 5, 4)

The largest 5-digit number: 50430

The smallest 5-digit number: 40300

3 Complete using <, =, or >:

254 456 < 407 107 45 000 + 45 < 45 456

195 268 < 195 338 20 hundreds = 2 000

80 802 < 80 204 5 + 800 + 2000 < 8 200

45 thousands + 5 hundreds + 31 tens = 45 810

The smallest 6-digit number < 12 345

Ninety thousand and nine < 90 009

4 Match:

30 thousands + 24 hundreds	3 240
3 000 + 300 + 40	3 340
30 000 + 24	32 400
Three thousand and twenty four	320 040
320 thousand, 40	30 034

1 Choose the correct answer:

1. The smallest 6-digit number is 100 000 or 100 0000 or 100 00000 or 100 000000

2. Three hundred and three hundred, three hundred and three = 666 or 600 or 6000 or 60000

3. The value of the digit 2 in the number 200 457 is 200 000 or 20 000 or 2 000 or 200

4. A number that comes right after 100 000 is 100 001 or 100 0001 or 100 00001 or 100 000001

5. 20 thousand + 30 tens + 7 hundred = 20 370 or 20 3700 or 20 37000 or 20 370000

2 Complete the following:

1. The greatest 6-digit number formed from the digits (3, 4, 0, 4, 7) is 75430

2. 5000 + 700 = 5700

3. The place value of 0 in the number 456 789 is thousands

4. 9 tens + 532 thousands + 7 ones + 2 hundreds = 532 327

3 Answer the following:

1. Fill in the blank:

2. Arrange the following numbers in ascending order: 10 000, 100, 30 000, 200, 6 000, 200, 1000, 10 000, 50 000

3. Round 12 345 to the nearest thousand. How much money do you have left?

12 345 = 12 000 + 345 = 12 345

1 The Array

3 rows, 4 columns = 12

4 rows, 3 columns = 12

5 rows, 2 columns = 10

6 rows, 2 columns = 12

7 rows, 2 columns = 14

8 rows, 2 columns = 16

9 rows, 2 columns = 18

10 rows, 2 columns = 20

11 rows, 2 columns = 22

12 rows, 2 columns = 24

13 rows, 2 columns = 26

14 rows, 2 columns = 28

15 rows, 2 columns = 30

16 rows, 2 columns = 32

17 rows, 2 columns = 34

18 rows, 2 columns = 36

19 rows, 2 columns = 38

20 rows, 2 columns = 40

21 rows, 2 columns = 42

22 rows, 2 columns = 44

23 rows, 2 columns = 46

24 rows, 2 columns = 48

25 rows, 2 columns = 50

26 rows, 2 columns = 52

27 rows, 2 columns = 54

28 rows, 2 columns = 56

29 rows, 2 columns = 58

30 rows, 2 columns = 60

31 rows, 2 columns = 62

32 rows, 2 columns = 64

33 rows, 2 columns = 66

34 rows, 2 columns = 68

35 rows, 2 columns = 70

36 rows, 2 columns = 72

37 rows, 2 columns = 74

38 rows, 2 columns = 76

39 rows, 2 columns = 78

40 rows, 2 columns = 80

41 rows, 2 columns = 82

42 rows, 2 columns = 84

43 rows, 2 columns = 86

44 rows, 2 columns = 88

45 rows, 2 columns = 90

46 rows, 2 columns = 92

47 rows, 2 columns = 94

48 rows, 2 columns = 96

49 rows, 2 columns = 98

50 rows, 2 columns = 100

1 Complete the following:

1. 3 + 3 + 3 + 3 + 3 = 15

2. 4 + 4 + 4 + 4 + 4 = 20

3. 5 + 5 + 5 + 5 + 5 = 25

4. 6 + 6 + 6 + 6 + 6 = 30

5. 7 + 7 + 7 + 7 + 7 = 35

6. 8 + 8 + 8 + 8 + 8 = 40

7. 9 + 9 + 9 + 9 + 9 = 45

8. 10 + 10 + 10 + 10 + 10 = 50

9. 11 + 11 + 11 + 11 + 11 = 55

10. 12 + 12 + 12 + 12 + 12 = 60

11. 13 + 13 + 13 + 13 + 13 = 65

12. 14 + 14 + 14 + 14 + 14 = 70

13. 15 + 15 + 15 + 15 + 15 = 75

14. 16 + 16 + 16 + 16 + 16 = 80

15. 17 + 17 + 17 + 17 + 17 = 85

16. 18 + 18 + 18 + 18 + 18 = 90

17. 19 + 19 + 19 + 19 + 19 = 95

18. 20 + 20 + 20 + 20 + 20 = 100

19. 21 + 21 + 21 + 21 + 21 = 105

20. 22 + 22 + 22 + 22 + 22 = 110

21. 23 + 23 + 23 + 23 + 23 = 115

22. 24 + 24 + 24 + 24 + 24 = 120

23. 25 + 25 + 25 + 25 + 25 = 125

24. 26 + 26 + 26 + 26 + 26 = 130

25. 27 + 27 + 27 + 27 + 27 = 135

26. 28 + 28 + 28 + 28 + 28 = 140

27. 29 + 29 + 29 + 29 + 29 = 145

28. 30 + 30 + 30 + 30 + 30 = 150

29. 31 + 31 + 31 + 31 + 31 = 155

30. 32 + 32 + 32 + 32 + 32 = 160

31. 33 + 33 + 33 + 33 + 33 = 165

32. 34 + 34 + 34 + 34 + 34 = 170

33. 35 + 35 + 35 + 35 + 35 = 175

34. 36 + 36 + 36 + 36 + 36 = 180

35. 37 + 37 + 37 + 37 + 37 = 185

36. 38 + 38 + 38 + 38 + 38 = 190

37. 39 + 39 + 39 + 39 + 39 = 195

38. 40 + 40 + 40 + 40 + 40 = 200

39. 41 + 41 + 41 + 41 + 41 = 205

40. 42 + 42 + 42 + 42 + 42 = 210

41. 43 + 43 + 43 + 43 + 43 = 215

42. 44 + 44 + 44 + 44 + 44 = 220

43. 45 + 45 + 45 + 45 + 45 = 225

44. 46 + 46 + 46 + 46 + 46 = 230

45. 47 + 47 + 47 + 47 + 47 = 235

46. 48 + 48 + 48 + 48 + 48 = 240

47. 49 + 49 + 49 + 49 + 49 = 245

48. 50 + 50 + 50 + 50 + 50 = 250

49. 51 + 51 + 51 + 51 + 51 = 255

50. 52 + 52 + 52 + 52 + 52 = 260

51. 53 + 53 + 53 + 53 + 53 = 265

52. 54 + 54 + 54 + 54 + 54 = 270

53. 55 + 55 + 55 + 55 + 55 = 275

54. 56 + 56 + 56 + 56 + 56 = 280

55. 57 + 57 + 57 + 57 + 57 = 285

56. 58 + 58 + 58 + 58 + 58 = 290

57. 59 + 59 + 59 + 59 + 59 = 295

58. 60 + 60 + 60 + 60 + 60 = 300

59. 61 + 61 + 61 + 61 + 61 = 305

60. 62 + 62 + 62 + 62 + 62 = 310

61. 63 + 63 + 63 + 63 + 63 = 315

62. 64 + 64 + 64 + 64 + 64 = 320

63. 65 + 65 + 65 + 65 + 65 = 325

64. 66 + 66 + 66 + 66 + 66 = 330

65. 67 + 67 + 67 + 67 + 67 = 335

66. 68 + 68 + 68 + 68 + 68 = 340

67. 69 + 69 + 69 + 69 + 69 = 345

68. 70 + 70 + 70 + 70 + 70 = 350

69. 71 + 71 + 71 + 71 + 71 = 355

70. 72 + 72 + 72 + 72 + 72 = 360

71. 73 + 73 + 73 + 73 + 73 = 365

72. 74 + 74 + 74 + 74 + 74 = 370

73. 75 + 75 + 75 + 75 + 75 = 375

74. 76 + 76 + 76 + 76 + 76 = 380

75. 77 + 77 + 77 + 77 + 77 = 385

76. 78 + 78 + 78 + 78 + 78 = 390

77. 79 + 79 + 79 + 79 + 79 = 395

78. 80 + 80 + 80 + 80 + 80 = 400

79. 81 + 81 + 81 + 81 + 81 = 405

80. 82 + 82 + 82 + 82 + 82 = 410

81. 83 + 83 + 83 + 83 + 83 = 415

82. 84 + 84 + 84 + 84 + 84 = 420

83. 85 + 85 + 85 + 85 + 85 = 425

84. 86 + 86 + 86 + 86 + 86 = 430

85. 87 + 87 + 87 + 87 + 87 = 435

86. 88 + 88 + 88 + 88 + 88 = 440

87. 89 + 89 + 89 + 89 + 89 = 445

88. 90 + 90 + 90 + 90 + 90 = 450

89. 91 + 91 + 91 + 91 + 91 = 455

90. 92 + 92 + 92 + 92 + 92 = 460

91. 93 + 93 + 93 + 93 + 93 = 465

92. 94 + 94 + 94 + 94 + 94 = 470

93. 95 + 95 + 95 + 95 + 95 = 475

94. 96 + 96 + 96 + 96 + 96 = 480

95. 97 + 97 + 97 + 97 + 97 = 485

96. 98 + 98 + 98 + 98 + 98 = 490

97. 99 + 99 + 99 + 99 + 99 = 495

98. 100 + 100 + 100 + 100 + 100 = 500

99. 101 + 101 + 101 + 101 + 101 = 505

100. 102 + 102 + 102 + 102 + 102 = 510

101. 103 + 103 + 103 + 103 + 103 = 515

102. 104 + 104 + 104 + 104 + 104 = 520

103. 105 + 105 + 105 + 105 + 105 = 525

104. 106 + 106 + 106 + 106 + 106 = 530

105. 107 + 107 + 107 + 107 + 107 = 535

106. 108 + 108 + 108 + 108 + 108 = 540

107. 109 + 109 + 109 + 109 + 109 = 545

108. 110 + 110 + 110 + 110 + 110 = 550

109. 111 + 111 + 111 + 111 + 111 = 555

110. 112 + 112 + 112 + 112 + 112 = 560

111. 113 + 113 + 113 + 113 + 113 = 565

112. 114 + 114 + 114 + 114 + 114 = 570

113. 115 + 115 + 115 + 115 + 115 = 575

114. 116 + 116 + 116 + 116 + 116 = 580

115. 117 + 117 + 117 + 117 + 117 = 585

116. 118 + 118 + 118 + 118 + 118 = 590

117. 119 + 119 + 119 + 119 + 119 = 595

118. 120 + 120 + 120 + 120 + 120 = 600

119. 121 + 121 + 121 + 121 + 121 = 605

120. 122 + 122 + 122 + 122 + 122 = 610

121. 123 + 123 + 123 + 123 + 123 = 615

122. 124 + 124 + 124 + 124 + 124 = 620

123. 125 + 125 + 125 + 125 + 125 = 625

124. 126 + 126 + 126 + 126 + 126 = 630

125. 127 + 127 + 127 + 127 + 127 = 635

126. 128 + 128 + 128 + 128 + 128 = 640

127. 129 + 129 + 129 + 129 + 129 = 645

128. 130 + 130 + 130 + 130 + 130 = 650

129. 131 + 131 + 131 + 131 + 131 = 655

130. 132 + 132 + 132 + 132 + 132 = 660

131. 133 + 133 + 133 + 133 + 133 = 665

132. 134 + 134 + 134 + 134 + 134 = 670

133. 135 + 135 + 135 + 135 + 135 = 675

134. 136 + 136 + 136 + 136 + 136 = 680

135. 137 + 137 + 137 + 137 + 137 = 685

136. 138 + 138 + 138 + 138 + 138 = 690

137. 139 + 139 + 139 + 139 + 139 = 695

138. 140 + 140 + 140 + 140 + 140 = 700

139. 141 + 141 + 141 + 141 + 141 = 705

140. 142 + 142 + 142 + 142 + 142 = 710

141. 143 + 143 + 143 + 143 + 143 = 715

142. 144 + 144 + 144 + 144 + 144 = 720

143. 145 + 145 + 145 + 145 + 145 = 725

144. 146 + 146 + 146 + 146 + 146 = 730

145. 147 + 147 + 147 + 147 + 147 = 735

146. 148 + 148 + 148 + 148 + 148 = 740

147. 149 + 149 + 149 + 149 + 149 = 745

148. 150 + 150 + 150 + 150 + 150 = 750

149. 151 + 151 + 151 + 151 + 151 = 755

150. 152 + 152 + 152 + 152 + 152 = 760

151. 153 + 153 + 153 + 153 + 153 = 765

152. 154 + 154 + 154 + 154 + 154 = 770

153. 155 + 155 + 155 + 155 + 155 = 775

154. 156 + 156 + 156 + 156 + 156 = 780

155. 157 + 157 + 157 + 157 + 157 = 785

156. 158 + 158 + 158 + 158 + 158 = 790

157. 159 + 159 + 159 + 159 + 159 = 795

158. 160 + 160 + 160 + 160 + 160 = 800

159. 161 + 161 + 161 + 161 + 161 = 805

160. 162 + 162 + 162 + 162 + 162 = 810

161. 163 + 163 + 163 + 163 + 163 = 815

162. 164 + 164 + 164 + 164 + 164 = 820

163. 165 + 165 + 165 + 165 + 165 = 825

164. 166 + 166 + 166 + 166 + 166 = 830

165. 167 + 167 + 167 + 167 + 167 = 835

166. 168 + 168 + 168 + 168 + 168 = 840

167. 169 + 169 + 169 + 169 + 169 = 845

168. 170 + 170 + 170 + 170 + 170 = 850

169. 171 + 171 + 171 + 171 + 171 = 855

170. 172 + 172 + 172 + 172 + 172 = 860

171. 173 + 173 + 173 + 173 + 173 = 865

172. 174 + 174 + 174 + 174 + 174 = 870

173. 175 + 175 + 175 + 175 + 175 = 875

174. 176 + 176 + 176 + 176 + 176 = 880

175. 177 + 177 + 177 + 177 + 177 = 885

176. 178 + 178 + 178 + 178 + 178 = 890

177. 179 + 179 + 179 + 179 + 179 = 895

178. 180 + 180 + 180 + 180 + 180 = 900

179. 181 + 181 + 181 + 181 + 181 = 905

180. 182 + 182 + 182 + 182 + 182 = 910

181. 183 + 183 + 183 + 183 + 183 = 915

182. 184 + 184 + 184 + 184 + 184 = 920

183. 185 + 185 + 185 + 185 + 185 = 925

184. 186 + 186 + 186 + 186 + 186 = 930

185. 187 + 187 + 187 + 187 + 187 = 935

186. 188 + 188 + 188 + 188 + 188 = 940

187. 189 + 189 + 189 + 189 + 189 = 945

188. 190 + 190 + 190 + 190 + 190 = 950

189. 191 + 191 + 191 + 191 + 191 = 955

190. 192 + 192 + 192 + 192 + 192 = 960

191. 193 + 193 + 193 + 193 + 193 = 965

192. 194 + 194 + 194 + 194 + 194 = 970

193. 195 + 195 + 195 + 195 + 195 = 975

194. 196 + 196 + 196 + 196 + 196 = 980

195. 197 + 197 + 197 + 197 + 197 = 985

196. 198 + 198 + 198 + 198 + 198 = 990

197. 199 + 199 + 199 + 199 + 199 = 995

198. 200 + 200 + 200 + 200 + 200 = 1000

1 Complete the following:

1. 3 rows, 4 columns = 12

2. 4 rows, 3 columns = 12

3. 5 rows, 2 columns = 10

4. 6 rows, 2 columns = 12

5. 7 rows, 2 columns = 14

6. 8 rows, 2 columns = 16

7. 9 rows, 2 columns = 18

8. 10 rows, 2 columns = 20

9. 11 rows, 2 columns = 22

10. 12 rows, 2 columns = 24

11. 13 rows, 2 columns = 26

12. 14 rows, 2 columns = 28

13. 15 rows, 2 columns = 30

14. 16 rows, 2 columns = 32

15. 17 rows, 2 columns = 34

16. 18 rows, 2 columns = 36

17. 19 rows, 2 columns = 38

18. 20 rows, 2 columns = 40

19. 21 rows, 2 columns = 42

20. 22 rows, 2 columns = 44

21. 23 rows, 2 columns = 46

22. 24 rows, 2 columns = 48

23. 25 rows, 2 columns = 50

24. 26 rows, 2 columns = 52

25. 27 rows, 2 columns = 54

26. 28 rows, 2 columns = 56

27. 29 rows, 2 columns = 58

28. 30 rows, 2 columns = 60

29. 31 rows, 2 columns = 62

30. 32 rows, 2 columns = 64

31. 33 rows, 2 columns = 66

32. 34 rows, 2 columns = 68

33. 35 rows, 2 columns = 70

34. 36 rows, 2 columns = 72

35. 37 rows, 2 columns = 74

36. 38 rows, 2 columns = 76

37. 39 rows, 2 columns = 78

38. 40 rows, 2 columns =

Complete:

1. The value of the digit 4 in the number 154 788 is **400**.

2. The value of the digit 4 in the number 154 788 is **400**.

3. The value of the digit 4 in the number 154 788 is **400**.

4. The value of the digit 4 in the number 154 788 is **400**.

5. The value of the digit 4 in the number 154 788 is **400**.

6. The value of the digit 4 in the number 154 788 is **400**.

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3. The value of the digit 4 in the number 154 788 is **400**.

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Complete:

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5. The value of the digit 4 in the number 154 788 is **400**.

6. The value of the digit 4 in the number 154 788 is **400**.

7. The value of the digit 4 in the number 154 788 is **400**.

8. The value of the digit 4 in the number 154 788 is **400**.

9. The value of the digit 4 in the number 154 788 is **400**.

10. The value of the digit 4 in the number 154 788 is **400**.

chapter (3)

Lesson 2 (Pages 122 - 127)

- (1) (a) 2,4,6,8,10,12,14,16,18,20
(b) 3,6,9,12,15,18,21,24,27,30
(c) 6, 12, 18

(2) Answer yourself

(3) Answer yourself

- (4) (a) 6 (b) 3 (c) 3
(d) 2 (e) 2 (f) 3
(g) $9 \times 2 = 18$ (h) $8 \times 3 = 24$
(i) $7 \times 3 = 21$ (j) $10 \times 2 = 20$
(k) $8 + 8 + 8 = 8 \times 3$ (l) $9 + 9 = 9 \times 2$

Homework

(1) Answer yourself

(2) Answer yourself

(3) Answer yourself

(4) Answer yourself

- (5) (a) $5 \times 2 = 10$ (e) $4 \times 3 = 12$
(b) $6 \times 2 = 12$ (f) $7 \times 3 = 21$
(c) $8 \times 2 = 16$ (g) $9 \times 3 = 27$
(d) $3 \times 2 = 6$ (h) $2 \times 3 = 6$

- (6) (a) 2,4,6,8,10,12,14,16,18,20
22,24,26,28,30,32,34,36,
38,40
(b) 3,6,9,12,15,18,21,24,27,30
33,36,39,42,45,48,51,54,57
60
(c) 6,12,18,24,30,36
(7) (a) 2×6 (b) 3×4 (c) 5×4
(d) $12 + 12$ (e) $8 + 8$ (f) 2×5
(g) $4 + 4$ (h) 6×3

Sheet (2)

First (a) 200 220 (b) 3×4
(c) 5000 (d) $8 + 8$ (e) 201 000

Second : (a) 10 234 (b) 3, 24
(c) $6 + 6 = 12$ (d) H-thousand
(e) 41 703

Third : (a) (1) 577 (2) 213
(b) 108 000, 118 000, 180 000
, 801 000, 810 000
(c) 3, 6, 9, 12, 15

Lesson 3 (Pages 128 -134)

- (1)(a) 4,8,12,16,20,24,28,32,36,40
 (b) 5,10,15,20,25,30,35,40,45,50
 (c) 20 , 40
- (2) ,(3) Answer yourself
- (4) (a) 8 (b) 10 (c) 4 (d) 4
 (e) 5 (f) 4 (g) $5 \times 2 = 10$
 (h) $4 \times 3 = 12$ (i) $1 \times 4 = 4$
 (j) 6 , 24 (k) $10 + 10 + 10$, 6
 (l) $7 + 7 + 7 + 7 = 7 \times 4$

HOMEWORK

- (1) ,(2) ,(3) ,(4) Answer yourself
- (5) (a) $4 \times 5 = 20$ (b) $5 \times 8 = 40$
 (c) $10 + 10 + 10 = 30$ (d) $6 + 6 = 12$
 (e) 10 , 40 (f) 8 , 16
 (g) 10 , 20 (h) 8 , 24
- (6) (a) 4,8,12,16,20,24,28,32,36,40
 44,48,52,56,60,64,68,72,76,80
 (b) 5,10,15,20,25,30,35,40,45,50
 55,60,65,70,75,80,85,90,95,100
 (c) 20 , 40 (d) 12,24,36
- (7) (a) 5×4 (b) 8×3 (c) 6×4 (d) $8 + 8$
 (e) 9×2 (f) 6×2 (g) 8×2 (h) $>$
 (i) $<$ (j) $=$ (k) $>$ (l) 10
 (m) 10 (n) 8

SHEET (3)

- First : (a) 22 225 (b) 4×10 (c) 9×2
 (d) 49 100 (e) $6 + 6 + 6 + 6$
- Second : (a) 57 200 (b) Hundreds
 (c) 3 (d) $10 + 10 + 10 + 10$
 (e) 205 020
- Third : (a) (1) 8 675 (2) 8 405
 (b) 4 , 6 , $4 \times 6 = 24$
 (c) $275 - 149 = 126$

Lesson 4 (Pages : 135 - 43)

- (1) (a) 6,12,18,24,30,36,42,48,54,
 (b) 7,14,21,28,35,42,49,56,63, 0
 (c) 12 , 24 , 36 , 48 , 60
- (2) Answer yourself
- (3) Answer yourself
- (4) (a) 10,12,14,16,18,20
 (b) 20,24,28,32,36,42
 (c) 30,36,42,48,54,60
 (d) 35,42,49,56,63,70
- (5) (a) $7 \times 4 = 28$ (b) $8 \times 6 = 48$
 (c) 8,56 (d) 6 , 36 (e) 5 , 40
 (6) $4 \times 8 = 32$ (7) $5 \times 6 = 30$

HOMEWORK

- (1) ,(2) ,(3) ,(4) Answer yourself
- (5) (a) $4 \times 8 = 32$ (b) $5 \times 7 = 35$
 (c) $8 + 8 + 8 + 8 + 8 = 40$ (d) $8 + 8 = 16$
 (e) 7 , 35 (f) 7 , 35 (g) 8 , 16
 (g) 10 , 40 (h) 9 , 36
- (6) (a) 6,12,18,24,30,36,42,48,54,60
 ,66,72,78,84,90,96,102,108
 ,114,120
 (b) 7,14,21,28,35,42,49,56,63,70
 ,77,84,91,98,105,112,119,126
 ,133,140
 (c) 30 (d) 12,24,36,48,60
- (7) (a) 5×6 (b) 4×4 (c) 3×8
 (d) $8 + 8$ (e) 6×9 (f) 9×2
 (g) 8×2 (h) $>$ (i) $<$
 (j) $<$ (k) $=$ (l) 10
 (m) 6 (n) 9

(8) Answer yourself

- (9) (a) $6 \times 4 = 24$ (b) $3 \times 6 = 18$
 (c) $3 \times 7 = 21$ (d) $4 \times 8 = 32$

SHEET (4)

- First : (a) 561 035 (b) 4X6 (c) 8
(d) 450 000 (e) 8 000
- Second : (a) 9X4 (b) 9 999
(c) 500 099 (d) 9+9 (e)
- Third: (a) (1) 7 704 (2) 6 850
(b) 153 000 , 150 003
15 300 , 15030 , 15 003
(c) $7 \times 4 = 28$ (d) $3 \times 8 = 24$

Lesson : 5 (Pages 144 - 152)

- (1) (a) 8,16,24,32,40,48,56,64,72,80
(b) 9,18,27,36,45,54,63,72,81,90
(c) 18,36,54,72,90
- (2),(3), (4) , (5) Answer yourself

HOMEWORK

- (1),(2),(3),(4) Answer yourself
- (5) (a) 6,12,18,24,30
(b) 20 , 40
(c) 12,24,36,48,60
(d) 18 , 36 , 54 (e) 24 , 48 , 72
- (6) Answer yourself
- (7) (a) $9 \times 6 = 54$ (b) $2 \times 5 = 10$
(c) $9 \times 9 = 81$ (d) $5 \times 7 = 35$
(e) $6 \times 8 = 48$ (f) $7 \times 7 = 49$
(g) $8 \times 8 = 64$ (h) $6 \times 5 = 30$

SHEET (5)

- First : (a) 7X8 (b) = (c) 10 000
(d) 66 000 (e) 62 999
- Second : (a) 6 (b) 370 000
(c) hundreds (d) 75 512
(e) 30,24,18,12
- Third: (a) 1) 1 000 2) 2500
(b) 45 045 , 45 054 , 45 405
, 45 450 , 45 504
(c) $4 \times 7 = 28$ (d) $6 \times 9 = 54$

Lesson :6 (Pages 153 - 161)

- (1) 45 , 72 , 18
(2) (a) $50 - 5 = 45$
(b) $(10 \times 5) - 5 = 50 - 5 = 45$
(c) $(10 \times 8) - 8 = 80 - 8 = 72$
(d) $(10 \times 3) - 3 = 30 - 3 = 27$

HOMEWORK

- (1) , (2) , (3) Answer yourself
- (4) (a) $(10 \times 2) - 2 = 20 - 2 = 18$
(b) $(10 \times 4) - 4 = 40 - 4 = 36$
(c) $(10 \times 6) - 6 = 60 - 6 = 54$
(d) $(10 \times 8) - 8 = 80 - 8 = 72$
(e) $(10 \times 1) - 1 = 10 - 1 = 9$
(f) $(10 \times 3) - 3 = 30 - 3 = 27$
(g) $(10 \times 5) - 5 = 50 - 5 = 45$
(h) $(10 \times 7) - 7 = 70 - 7 = 63$
(i) $(10 \times 9) - 9 = 90 - 9 = 81$
- (5) (a) 3×10 (b) 6×4 (c) 6×6
(d) 6×6 (e) 6×4 (f) 7
(g) $9 + 9$ (h) 8×2
- (6) (a) $8 + 8 + 8 = 24$
(b) $6 + 6 + 6 + 6 + 6 + 6 = 36$
(c) $10 + 10 = 20$
(d) 9 , 18 (e) 6 , 12 (f) 8 , 16
(g) 6 , 24 (h) 8 , 32 (i) 6 , 30
(j) 8 , 72 (k) $(10 \times 6) , 54$

SHEET (6)

- First: (a) 7 (b) 4×10 (c) 495
(c) 765 040 (d) 20 000
- Second : (a) 19 999 (b) 0 (c) 9
(d) 8×6 (e) 900 009
- Third : (a) 1) 4 700 2) 71 3) 630
(b) 1) < 2) =
3) > 4) =
(c) $6 \times 8 = 48$

Lesson : 7 (Pages 162 - 167)

- (1) (a) 5 (b) 7 (c) 7 (d) 4
 (e) 9 (f) 8, 3 (g) $15 \times 35 = 50$
 (h) $32 \times 16 = 48$ (i) $12 \times 6 = 18$
 (j) 8, 8, 56 (k) 4, 7, 63 (l) 5×4
- (2) (a) $7 \times (10 + 3) = 7 \times 10 + 7 \times 3 = 91$
 (b) $8 \times (10 + 5) = 8 \times 10 + 8 \times 5 = 120$
 (c) $9 \times (10 + 3) = 9 \times 10 + 9 \times 3 = 117$
 (d) $7 \times (10 + 2) = 7 \times 10 + 7 \times 2 = 84$

HOMEWORK

- (1) (a) 7 (b) 8 (c) 7 (d) 4
 (e) 9 (f) 8, 7 (g) $8 \times 6 = 48$
 (h) $7 \times 9 = 63$ (i) $9 \times 6 = 54$ (j) 8, 8, 54
 (k) 4, 3, 27 (l) 2×5
- (2) (a) $7 \times (10 + 3) = 7 \times 10 + 7 \times 3 = 91$
 (b) $4 \times (10 + 2) = 4 \times 10 + 4 \times 2 = 48$
 (c) $9 \times (10 + 3) = 9 \times 10 + 9 \times 3 = 108$
 (d) $8 \times (10 + 5) = 8 \times 10 + 8 \times 5 = 120$
- (3) (a) 2 (b) 5 (c) $5 \times 2 = 10$ (d) 5
 (e) 2 (f) $2 \times 5 = 10$ (g) $2 \times 5 = 5 \times 2$
- (4) (a) 6 (b) 3 (c) $3 \times 6 = 18$ (d) 3
 (e) 6 (f) $6 \times 3 = 18$ (g) $3 \times 6 = 6 \times 3$
- (5) (a) 9 (b) 4 (c) $4 \times 9 = 36$ (d) 4
 (e) 9 (f) $9 \times 4 = 36$ (g) $4 \times 6 = 9 \times 4$
- (6) (a) $4 \times 10 = (4 \times 8) + (4 \times 2) = 40$
 (b) $3 \times 9 = (3 \times 5) + (3 \times 4) = 27$

SHEET 7

- First: (a) 19 909 (b) 505 (c) 7×5
 (d) $4 + 4 + 4 + 4$ (e) 8 000
- Second : (a) $\square \triangle, \square \triangle$ (b) 6, 6, 4 (c) 6
 (d) 66 000 (e) 701 280
- Third: (a) 75 005, 75 050, 75 055
 , 75 500, 75 505
 (b) 6, 3, $6 \times 3 = 18$
 (c) 3, 6, $3 \times 6 = 18$

Lesson : 8 (pages 168 - 173)

- (1) (a) 10, 20, 30, 40, 50, 60, 70, 80
 , 90, 100, 110, 120.
 (b) 10, 20, 30, 40, 50, 60, 70, 80
 , 90, 100, 110, 120.
 (c) 20, 40, 60, 80, 100, 120
- (2) (a) 70 (b) 90 (c) 120 (d) 520
 (e) 10 (f) 10 (g) 10 (h) 10
 (i) $5 \times 6 \times 10 = 30 \times 10 = 300$
 (j) $4 \times 8 \times 10 = 32 \times 10 = 320$
 (k) $5 \times 80, 40 \times 10 = 400$
 (l) $9 \times 30, 27 \times 10 = 270$
 (m) $7 \times 50 = 7 \times 5 \times 10 = 35 \times 10 = 350$
 (n) $4 \times 90 = 4 \times 9 \times 10 = 36 \times 10 = 360$

HOMEWORK

- (1) Answer yourself
- (2) (a) 10, 20, 30, 40, 50, 60, 70, 80
 , 90, 100, 110, 120
 (b) 10, 20, 30, 40, 50, 60, 70, 80
 , 90, 100, 110, 120
 (c) 30, 60, 90
 (d) 20, 40, 60, 80, 100
 (e) 30, 60, 90
- (3) (a) 60 (b) 80 (c) 520 (d) 220
 (e) 160 (f) 820 (g) 10 (h) 10
 (i) 10 (j) 10 (k) 10 (l) 10
 (m) 10 (n) 10
- (4) (a) $8 \times 5 \times 10 = 40 \times 10 = 400$
 (b) $5 \times 4 \times 10 = 20 \times 10 = 200$
 (c) $9 \times 8 \times 10 = 72 \times 10 = 720$
 (d) $5 \times 90, 45 \times 10 = 450$
 (e) $8 \times 80, 64 \times 10 = 640$
 (f) $6 \times 30, 18 \times 10 = 180$
 (g) $5 \times 70, 7, 10, 350$
 (h) $6 \times 90, 9, 10, 540$
 (i) $7 \times 70, 7, 10, 490$

- (5) (a) 30 (b) 28
(c) 4 (d) 7
(e) 7 (f) 6
(g) 8 (h) 6
(i) 8 (j) 10
(k) 9×2
(l) 3×10

(6) Answer Yourself

SHEET 8

First : (a) 9000
(b) 25 000

- (c) 8×2 (d) 9×4
(e) 20 567

Second: (a) 760 000

- (b) 10, 4, 98
(c) $6 \times 7 \times 10 = 420$
(d) 20 020
(e) 48, 40, 32

Third : (a) 1) 8 008 2) 7 555

- (b) 15 000, 10 005, 1500
, 1 050, 1 005
(c) $6 \times 6 = 36$

MAIN **Division**

Example
There are 12 apples that need to be shared equally among 3 baskets.
1 basket.
Draw a part-part-whole model to show the answer.
 $12 \div 3 = 4$

1 There are 18 fish that need to be placed equally in 4 bowls. How many fish should be put into each bowl?
Draw a part-part-whole model to show your answer.
 $18 \div 4 = 4$

2 The teacher has 36 crayons to share equally between 6 students. What is the share of each?
Draw a part-part-whole model to show your answer.
 $36 \div 6 = 6$

174

MAIN **Part-part-whole model**

1 Each cat needs 3 fish for lunch. How many cats can we feed with 12 fish?
Draw a part-part-whole model to show your answer.
 $12 \div 3 = 4$

Multiplication & Division Fact Families

$3 \times 6 = 18$
 $6 \times 3 = 18$
 $18 \div 3 = 6$
 $18 \div 6 = 3$

2 Find the missing factor in the triangles, then write the fact equations to complete the fact family.

3 Find the missing factor in the triangles, then write the fact equations to complete the fact family.

175

MAIN **Part-part-whole model**

1 $14 \div 2 = 7$ $2 \overline{) 14}$ $\frac{14}{0} = 7$

2 Complete the following.

$18 \div 4 = 4$ $4 \overline{) 18}$ $\frac{16}{2} = 7$

$16 \div 3 = 5$ $3 \overline{) 16}$ $\frac{15}{1} = 2$

$12 \div 3 = 4$ $3 \overline{) 12}$ $\frac{12}{0} = 4$

$24 \div 4 = 6$ $4 \overline{) 24}$ $\frac{24}{0} = 6$

$48 \div 8 = 6$ $8 \overline{) 48}$ $\frac{48}{0} = 6$

$80 \div 8 = 10$ $8 \overline{) 80}$ $\frac{80}{0} = 10$

$72 \div 9 = 8$ $9 \overline{) 72}$ $\frac{72}{0} = 8$

176

MAIN **Part-part-whole model**

Answer the following.

1 There are 20 fish that need to be placed equally in 4 bowls. How many fish should be put into each bowl?
Draw a part-part-whole model to show your answer.
 $20 \div 4 = 5$

2 The teacher has 40 crayons to share equally between 8 students. What is the share of each?
Draw a part-part-whole model to show your answer.
 $40 \div 8 = 5$

3 Split 36 crayons that need to be shared equally between 9 students.
Draw a part-part-whole model to show your answer.
 $36 \div 9 = 4$

177

MAIN **Part-part-whole model**

1 Draw 12 peaches in a bag. If there are 3 baskets. How many peaches will each basket get?
Draw a part-part-whole model to show your answer.
 $12 \div 3 = 4$

2 A fish has 20 points to share in 4 bowls. If there are 5 bowls. How many points will go in each bowl?
Draw a part-part-whole model to show your answer.
 $20 \div 5 = 4$

3 There are 6 students in the class and 30 pencils. If the pencils are shared equally among the students, how many pencils will each student get?
Draw a part-part-whole model to show your answer.
 $30 \div 6 = 5$

178

MAIN **Part-part-whole model**

1 Each packet must hold 6 marbles. There are 24 marbles. How many packets can be made?
Draw a part-part-whole model to show your answer.
 $24 \div 6 = 4$

2 Each row of seats has 5 fish. There are 25 fish. How many rows of seats can be made?
Draw a part-part-whole model to show your answer.
 $25 \div 5 = 5$

3 Each bulb uses 2 bulbs of 10 each. There are 10 bulbs. How many bulbs can be made?
Draw a part-part-whole model to show your answer.
 $10 \div 2 = 5$

179

MAIN **Part-part-whole model**

1 Draw the missing factor in the triangles, then write the fact equations to complete the fact family.

$3 \times 6 = 18$ $6 \times 3 = 18$ $18 \div 3 = 6$ $18 \div 6 = 3$

$4 \times 3 = 12$ $3 \times 4 = 12$ $12 \div 3 = 4$ $12 \div 4 = 3$

$5 \times 2 = 10$ $2 \times 5 = 10$ $10 \div 2 = 5$ $10 \div 5 = 2$

$6 \times 4 = 24$ $4 \times 6 = 24$ $24 \div 4 = 6$ $24 \div 6 = 4$

$7 \times 3 = 21$ $3 \times 7 = 21$ $21 \div 3 = 7$ $21 \div 7 = 3$

$8 \times 2 = 16$ $2 \times 8 = 16$ $16 \div 2 = 8$ $16 \div 8 = 2$

$9 \times 1 = 9$ $1 \times 9 = 9$ $9 \div 1 = 9$ $9 \div 9 = 1$

$10 \times 1 = 10$ $1 \times 10 = 10$ $10 \div 1 = 10$ $10 \div 10 = 1$

$11 \times 1 = 11$ $1 \times 11 = 11$ $11 \div 1 = 11$ $11 \div 11 = 1$

$12 \times 1 = 12$ $1 \times 12 = 12$ $12 \div 1 = 12$ $12 \div 12 = 1$

$13 \times 1 = 13$ $1 \times 13 = 13$ $13 \div 1 = 13$ $13 \div 13 = 1$

$14 \times 1 = 14$ $1 \times 14 = 14$ $14 \div 1 = 14$ $14 \div 14 = 1$

$15 \times 1 = 15$ $1 \times 15 = 15$ $15 \div 1 = 15$ $15 \div 15 = 1$

$16 \times 1 = 16$ $1 \times 16 = 16$ $16 \div 1 = 16$ $16 \div 16 = 1$

$17 \times 1 = 17$ $1 \times 17 = 17$ $17 \div 1 = 17$ $17 \div 17 = 1$

$18 \times 1 = 18$ $1 \times 18 = 18$ $18 \div 1 = 18$ $18 \div 18 = 1$

$19 \times 1 = 19$ $1 \times 19 = 19$ $19 \div 1 = 19$ $19 \div 19 = 1$

$20 \times 1 = 20$ $1 \times 20 = 20$ $20 \div 1 = 20$ $20 \div 20 = 1$

$21 \times 1 = 21$ $1 \times 21 = 21$ $21 \div 1 = 21$ $21 \div 21 = 1$

$22 \times 1 = 22$ $1 \times 22 = 22$ $22 \div 1 = 22$ $22 \div 22 = 1$

$23 \times 1 = 23$ $1 \times 23 = 23$ $23 \div 1 = 23$ $23 \div 23 = 1$

$24 \times 1 = 24$ $1 \times 24 = 24$ $24 \div 1 = 24$ $24 \div 24 = 1$

$25 \times 1 = 25$ $1 \times 25 = 25$ $25 \div 1 = 25$ $25 \div 25 = 1$

$26 \times 1 = 26$ $1 \times 26 = 26$ $26 \div 1 = 26$ $26 \div 26 = 1$

$27 \times 1 = 27$ $1 \times 27 = 27$ $27 \div 1 = 27$ $27 \div 27 = 1$

$28 \times 1 = 28$ $1 \times 28 = 28$ $28 \div 1 = 28$ $28 \div 28 = 1$

$29 \times 1 = 29$ $1 \times 29 = 29$ $29 \div 1 = 29$ $29 \div 29 = 1$

$30 \times 1 = 30$ $1 \times 30 = 30$ $30 \div 1 = 30$ $30 \div 30 = 1$

$31 \times 1 = 31$ $1 \times 31 = 31$ $31 \div 1 = 31$ $31 \div 31 = 1$

$32 \times 1 = 32$ $1 \times 32 = 32$ $32 \div 1 = 32$ $32 \div 32 = 1$

$33 \times 1 = 33$ $1 \times 33 = 33$ $33 \div 1 = 33$ $33 \div 33 = 1$

$34 \times 1 = 34$ $1 \times 34 = 34$ $34 \div 1 = 34$ $34 \div 34 = 1$

$35 \times 1 = 35$ $1 \times 35 = 35$ $35 \div 1 = 35$ $35 \div 35 = 1$

$36 \times 1 = 36$ $1 \times 36 = 36$ $36 \div 1 = 36$ $36 \div 36 = 1$

$37 \times 1 = 37$ $1 \times 37 = 37$ $37 \div 1 = 37$ $37 \div 37 = 1$

$38 \times 1 = 38$ $1 \times 38 = 38$ $38 \div 1 = 38$ $38 \div 38 = 1$

$39 \times 1 = 39$ $1 \times 39 = 39$ $39 \div 1 = 39$ $39 \div 39 = 1$

$40 \times 1 = 40$ $1 \times 40 = 40$ $40 \div 1 = 40$ $40 \div 40 = 1$

$41 \times 1 = 41$ $1 \times 41 = 41$ $41 \div 1 = 41$ $41 \div 41 = 1$

$42 \times 1 = 42$ $1 \times 42 = 42$ $42 \div 1 = 42$ $42 \div 42 = 1$

$43 \times 1 = 43$ $1 \times 43 = 43$ $43 \div 1 = 43$ $43 \div 43 = 1$

$44 \times 1 = 44$ $1 \times 44 = 44$ $44 \div 1 = 44$ $44 \div 44 = 1$

$45 \times 1 = 45$ $1 \times 45 = 45$ $45 \div 1 = 45$ $45 \div 45 = 1$

$46 \times 1 = 46$ $1 \times 46 = 46$ $46 \div 1 = 46$ $46 \div 46 = 1$

$47 \times 1 = 47$ $1 \times 47 = 47$ $47 \div 1 = 47$ $47 \div 47 = 1$

$48 \times 1 = 48$ $1 \times 48 = 48$ $48 \div 1 = 48$ $48 \div 48 = 1$

$49 \times 1 = 49$ $1 \times 49 = 49$ $49 \div 1 = 49$ $49 \div 49 = 1$

$50 \times 1 = 50$ $1 \times 50 = 50$ $50 \div 1 = 50$ $50 \div 50 = 1$

$51 \times 1 = 51$ $1 \times 51 = 51$ $51 \div 1 = 51$ $51 \div 51 = 1$

$52 \times 1 = 52$ $1 \times 52 = 52$ $52 \div 1 = 52$ $52 \div 52 = 1$

$53 \times 1 = 53$ $1 \times 53 = 53$ $53 \div 1 = 53$ $53 \div 53 = 1$

$54 \times 1 = 54$ $1 \times 54 = 54$ $54 \div 1 = 54$ $54 \div 54 = 1$

$55 \times 1 = 55$ $1 \times 55 = 55$ $55 \div 1 = 55$ $55 \div 55 = 1$

$56 \times 1 = 56$ $1 \times 56 = 56$ $56 \div 1 = 56$ $56 \div 56 = 1$

$57 \times 1 = 57$ $1 \times 57 = 57$ $57 \div 1 = 57$ $57 \div 57 = 1$

$58 \times 1 = 58$ $1 \times 58 = 58$ $58 \div 1 = 58$ $58 \div 58 = 1$

$59 \times 1 = 59$ $1 \times 59 = 59$ $59 \div 1 = 59$ $59 \div 59 = 1$

$60 \times 1 = 60$ $1 \times 60 = 60$ $60 \div 1 = 60$ $60 \div 60 = 1$

$61 \times 1 = 61$ $1 \times 61 = 61$ $61 \div 1 = 61$ $61 \div 61 = 1$

$62 \times 1 = 62$ $1 \times 62 = 62$ $62 \div 1 = 62$ $62 \div 62 = 1$

$63 \times 1 = 63$ $1 \times 63 = 63$ $63 \div 1 = 63$ $63 \div 63 = 1$

$64 \times 1 = 64$ $1 \times 64 = 64$ $64 \div 1 = 64$ $64 \div 64 = 1$

$65 \times 1 = 65$ $1 \times 65 = 65$ $65 \div 1 = 65$ $65 \div 65 = 1$

$66 \times 1 = 66$ $1 \times 66 = 66$ $66 \div 1 = 66$ $66 \div 66 = 1$

$67 \times 1 = 67$ $1 \times 67 = 67$ $67 \div 1 = 67$ $67 \div 67 = 1$

$68 \times 1 = 68$ $1 \times 68 = 68$ $68 \div 1 = 68$ $68 \div 68 = 1$

$69 \times 1 = 69$ $1 \times 69 = 69$ $69 \div 1 = 69$ $69 \div 69 = 1$

$70 \times 1 = 70$ $1 \times 70 = 70$ $70 \div 1 = 70$ $70 \div 70 = 1$

$71 \times 1 = 71$ $1 \times 71 = 71$ $71 \div 1 = 71$ $71 \div 71 = 1$

$72 \times 1 = 72$ $1 \times 72 = 72$ $72 \div 1 = 72$ $72 \div 72 = 1$

$73 \times 1 = 73$ $1 \times 73 = 73$ $73 \div 1 = 73$ $73 \div 73 = 1$

$74 \times 1 = 74$ $1 \times 74 = 74$ $74 \div 1 = 74$ $74 \div 74 = 1$

$75 \times 1 = 75$ $1 \times 75 = 75$ $75 \div 1 = 75$ $75 \div 75 = 1$

$76 \times 1 = 76$ $1 \times 76 = 76$ $76 \div 1 = 76$ $76 \div 76 = 1$

$77 \times 1 = 77$ $1 \times 77 = 77$ $77 \div 1 = 77$ $77 \div 77 = 1$

$78 \times 1 = 78$ $1 \times 78 = 78$ $78 \div 1 = 78$ $78 \div 78 = 1$

$79 \times 1 = 79$ $1 \times 79 = 79$ $79 \div 1 = 79$ $79 \div 79 = 1$

$80 \times 1 = 80$ $1 \times 80 = 80$ $80 \div 1 = 80$ $80 \div 80 = 1$

$81 \times 1 = 81$ $1 \times 81 = 81$ $81 \div 1 = 81$ $81 \div 81 = 1$

$82 \times 1 = 82$ $1 \times 82 = 82$ $82 \div 1 = 82$ $82 \div 82 = 1$

$83 \times 1 = 83$ $1 \times 83 = 83$ $83 \div 1 = 83$ $83 \div 83 = 1$

$84 \times 1 = 84$ $1 \times 84 = 84$ $84 \div 1 = 84$ $84 \div 84 = 1$

$85 \times 1 = 85$ $1 \times 85 = 85$ $85 \div 1 = 85$ $85 \div 85 = 1$

$86 \times 1 = 86$ $1 \times 86 = 86$ $86 \div 1 = 86$ $86 \div 86 = 1$

$87 \times 1 = 87$ $1 \times 87 = 87$ $87 \div 1 = 87$ $87 \div 87 = 1$

$88 \times 1 = 88$ $1 \times 88 = 88$ $88 \div 1 = 88$ $88 \div 88 = 1$

$89 \times 1 = 89$ $1 \times 89 = 89$ $89 \div 1 = 89$ $89 \div 89 = 1$

$90 \times 1 = 90$ $1 \times 90 = 90$ $90 \div 1 = 90$ $90 \div 90 = 1$

$91 \times 1 = 91$ $1 \times 91 = 91$ $91 \div 1 = 91$ $91 \div 91 = 1$

$92 \times 1 = 92$ $1 \times 92 = 92$ $92 \div 1 = 92$ $92 \div 92 = 1$

$93 \times 1 = 93$ $1 \times 93 = 93$ $93 \div 1 = 93$ $93 \div 93 = 1$

$94 \times 1 = 94$ $1 \times 94 = 94$ $94 \div 1 = 94$ $94 \div 94 = 1$

$95 \times 1 = 95$ $1 \times 95 = 95$ $95 \div 1 = 95$ $95 \div 95 = 1$

$96 \times 1 = 96$ $1 \times 96 = 96$ $96 \div 1 = 96$ $96 \div 96 = 1$

$97 \times 1 = 97$ $1 \times 97 = 97$ $97 \div 1 = 97$ $97 \div 97 = 1$

$98 \times 1 = 98$ $1 \times 98 = 98$ $98 \div 1 = 98$ $98 \div 98 = 1$

$99 \times 1 = 99$ $1 \times 99 = 99$ $99 \div 1 = 99$ $99 \div 99 = 1$

$100 \times 1 = 100$ $1 \times 100 = 100$ $100 \div 1 = 100$ $100 \div 100 = 1$

180

2. Complete the following :		
$25 \div 5 = 5$	$2 \overline{) 8}$	$\frac{40}{5} = 8$
$15 \div 5 = 3$	$3 \overline{) 6}$	$\frac{42}{6} = 7$
$30 \div 5 = 6$	$5 \overline{) 10}$	$\frac{45}{5} = 9$
$35 \div 5 = 7$	$4 \overline{) 12}$	$\frac{48}{6} = 8$
$45 \div 5 = 9$	$4 \overline{) 16}$	$\frac{50}{5} = 10$
$72 \div 8 = 9$	$6 \overline{) 24}$	$\frac{54}{6} = 9$
$18 \div 9 = 2$	$3 \overline{) 24}$	$\frac{52}{4} = 13$
$16 \div 4 = 4$	$4 \overline{) 28}$	$\frac{64}{8} = 8$
$20 \div 5 = 4$	$3 \overline{) 27}$	$\frac{72}{8} = 9$
$21 \div 7 = 3$	$8 \overline{) 20}$	$\frac{81}{9} = 9$

1012

10. Complete the following:

$$4 + 2 = 2$$

$$2 \overline{) 8}$$

$$\frac{24}{8} = 4$$

$$9 + 3 = 3$$

$$3 \overline{) 12}$$

$$\frac{26}{5} = 5$$

$$8 + 4 = 2$$

$$4 \overline{) 20}$$

$$\frac{32}{4} = 8$$

$$12 + 6 = 2$$

$$6 \overline{) 15}$$

$$\frac{21}{3} = 7$$

$$16 + 8 = 2$$

$$8 \overline{) 18}$$

$$\frac{18}{2} = 9$$

$$32 + 4 = 8$$

$$4 \overline{) 36}$$

$$\frac{72}{8} = 9$$

$$36 + 7 = 8$$

$$9 \overline{) 45}$$

$$\frac{81}{9} = 9$$

$$40 + 8 = 5$$

$$8 \overline{) 48}$$

$$\frac{84}{8} = 8$$

$$38 + 6 = 8$$

$$8 \overline{) 64}$$

$$\frac{14}{2} = 7$$

$$42 + 6 = 7$$

$$7 \overline{) 49}$$

$$\frac{49}{7} = 7$$

102

00000

10-1 Answer the questions

1) The number of rows eight times 30 000 is

$24 \times =$ (3 or **A**) or **b**)

$8 \times 10 =$ 80 (1 or **B**) or **c**) or **d**)

$8 \times 3 = 24$ (3 or **A**) or **c**) or **d**)

2) Eight times the sum of 40 and 10 is

(10 400) or 48 000 or 48 000)

10-2 Copy help the following

1) 25 thousand + 500 tens = 20 000

$55 \div 5 = 7$

2) 6 X 10, 4 X 10, 1, 6 X 5, 4 X 10

3) The sum of 100 and 100 is 100 000

4) $3 \times 5 = 15 \div 4$

10-3 Answer the following

1) Find the result:

(1) $750 \div 125 = 6$ (4) $40 \div 8 = 5$

(2) $500 - 247 = 253$ (5) $63 \div 9 = 7$

2) Complete the missing numbers

(1) $5 \times 5 = 25$ (1) $10 \div 2 = 5$ (4) $40 \div 8 = 5$

(2) $4 \div 4 = 1$ (2) $2 \times 2 = 4$ (4) $40 \div 5 = 8$ (3) $7 \times 7 = 49$

3) The price of each book is 3 paise

How many books can you buy if you have 42 paise?

40 : 3 = 13

100

PAPER

1
Time

a half $\frac{1}{2}$

a third $\frac{1}{3}$

a quarter $\frac{1}{4}$

DAY 24
→
HOUR 60
→
MINUTE

1 hour = 24 hours

$\frac{1}{2}$ hour = 12 hours

$\frac{1}{3}$ hour = 8 hours













$\frac{1}{4}$ hour = 6 hours

1 hour = 60 minutes

$\frac{1}{2}$ hour = 30 minutes

$\frac{1}{3}$ hour = 20 minutes

$\frac{1}{4}$ hour = 15 minutes

Complete :		Part B	
 <p>3 O'clock</p>	 <p>Quarter to 5</p>		
 <p>Quarter past 5</p>	 <p>10 O'clock</p>		
 <p>Quarter past 6</p>	 <p>Quarter to 12</p>		
 <p>Half past 11</p>	 <p>7 O'clock</p>		
 <p>4 O'clock</p>	 <p>Half Past 1</p>		
 <p>Quarter to 12</p>	 <p>Quarter past 5</p>		

NAME _____











100 MINUTES

1 Complete the following:

- 1) 2 hours = **60** + **60** = **120** minutes
- 2) An hour and a half = **60** + **30** = **90** minutes
- 3) An hour and a third = **60** + **20** = **80** minutes
- 4) An hour and a quarter = **60** + **15** = **75** minutes
- 5) An hour and 25 minutes = **60** + **25** = **85** minutes
- 6) An hour and 10 minutes = **60** + **10** = **70** minutes
- 7) 2 hours and a half = **120** + **30** = **150** minutes
- 8) 2 hours and a third = **120** + **20** = **140** minutes
- 9) 2 hours and a quarter = **120** + **15** = **135** minutes
- 10) 2 hours and 10 minutes = **120** + **10** = **140** minutes
- 11) 2 hours and 55 minutes = **120** + **55** = **175** minutes
- 12) 75 minutes = **1** hour + **15** minutes
- 13) 90 minutes = **1** hour + **30** minutes
- 14) 95 minutes = **1** hour + **35** minutes
- 15) 100 minutes = **1** hour + **40** minutes
- 16) 105 minutes = **1** hour + **45** minutes
- 17) 130 minutes = **2** hours + **10** minutes











100

Complete :











 <p>4 : 00 4 O'clock</p>	 <p>1 : 30 Half past 1</p>
 <p>11 : 45 Quarter to 12</p>	 <p>5 : 15 Quarter past 5</p>
 <p>1 : 00 1 O'clock</p>	 <p>9 : 30 Half past 9</p>
 <p>7 : 45 Quarter to 8</p>	 <p>6 : 15 Quarter past 6</p>
 <p>2 : 45 Quarter to 3</p>	 <p>8 : 45 Quarter to 9</p>

NAME _____

Complete :

 <p>7 : 00 7 O'clock</p>	 <p>5 : 30 Half past 5</p>
 <p>6 : 15 Quarter past 6</p>	 <p>11 : 45 Quarter to 12</p>
 <p>12 : 30 Half past 12</p>	 <p>9 : 30 Half past 9</p>
 <p>9 : 45 Quarter to 10</p>	 <p>12 : 00 12 O'clock</p>
 <p>2 : 45 Quarter to 3</p>	 <p>8 : 15 Quarter past 8</p>

100

 3 O'clock	 Quarter to 2
 Quarter past 5	 10 O'clock
 Half past 4	 Quarter to 10
 Quarter to 9	 Half past 7
 12 O'clock	 Quarter past 4

ACTIVE

Unit 1

1. Choose the correct answer.

72 + 28 = 100 () 100 or 170 or 1000

72 + 28 = 100 () 100 or 170 or 1000

The value of the 8 in the number 86 087 is 8000 () 8000 or 800 or 80

8 + 8 = 16 () 16 or 8 or 0

315 thousands + 3 thousands + 15 ones = 315 000 or 315 150 or 315 015

2. Complete the following.

108 minutes = 1 hour + 48 minutes

1000 = 1000 or 1000 or 1000

1 + 200 = 201

Five hundred and two hundred = 700 or 700 or 700

315 thousands + 3 thousands + 15 ones = 315 000 or 315 150 or 315 015

3. Answer the following.

Find the sum:

(1) 245 + 23 = 268 (2) 442 (3) 344

Arrange the following numbers in an ascending order:

10 000, 10 234, 05765, 00 000, 100 000

4. Write the time shown by the clock.

Quarter past 6

Quarter to 12

MAINS

2. Write the time shown by the clock.

0 : 00

0 : 05

0 : 10

12 : 10

10 past 12

1 : 15

Quarter past 1

2 : 20

20 past 2

3 : 25

25 past 3

4 : 30

Half past 4

5 : 35

35 past 5

6 : 40

40 past 6

7 : 45

Quarter to 8

8 : 50

10 to 9

9 : 55

Quarter to 10

10 : 00

10 to 12

11 : 05

5 to 11

12 : 10

10 to 12

12 : 15

15 to 12

PART

3. Complete the following.

It's 0 o'clock

It's 0 o'clock

It's 10 past 6

It's 10 past 6

It's 20 past 8

It's 20 past 8

It's 25 past 9

It's 25 past 9

4. You leave school at 3:00 and when you get home the clock looks like this:

How many minutes did it take you to walk home?

20

5. If it takes you 45 minutes to walk home from school and you leave at 3:00, what time will it be when you get home?

Draw the time on the clock.

MAINS

2. Write the time shown by the clock.

0 : 00

0 o'clock

7 : 30

35 to 8

10 : 10

10 past 10

10 : 45

Quarter to 11

0 : 20

20 past 0

0 : 30

30 to 0

11 : 30

Half past 11

11 : 45

Quarter to 12

5 : 40

40 past 5

5 : 10

Quarter past 5

8 : 00

10 to 8

8 : 30

20 past 8

PART

2. Write the time shown by the clock.

3 : 35

25 to 4

10 : 20

10 past 10

3 : 45

Quarter to 4

6 : 40

40 past 6

5 : 05

5 to 5

4 : 00

10 to 4

6 : 05

5 past 6

0 : 00

0 o'clock

1 : 10

Quarter past 1

12 : 10

10 past 12

7 : 30

30 past 7

8 : 20

20 past 8

MAINS

2. Write the time shown by the clock.

9 : 00

0 o'clock

12 : 55

5 to 1

2 : 10

10 past 2

6 : 05

5 past 6

5 : 20

20 past 5

4 : 15

Quarter past 4

7 : 30

Half past 7

10 : 25

25 past 10

5 : 40

40 past 5

8 : 35

35 past 8

11 : 50

10 to 12

10 : 45

Quarter to 11

PART

2. Write the time shown by the clock.

10 past 2

Quarter past 4

0 o'clock

5 past 6

Half past 7

30 to 4

20 past 8

30 past 8

10 to 12

5 to 1

20 to 9

Quarter to 11

MAINS

3. Complete the following.

10 : 05

It's 10 past 0

11 : 10

It's quarter past 11

0 : 00

It's 0 o'clock

7 : 00

It's 0 past 7

2 : 30

It's half past 2

5 : 30

It's 25 to 4

9 : 30

It's 30 past 9

1 : 30

It's 25 past 1

8 : 40

It's 40 to 8

11 : 30

It's 5 to 12

0 : 30

It's 20 past 0

7 : 40

It's quarter to 8

PART

4. You leave school at 3:00 and when you get home the clock looks like this:

How many minutes did it take you to walk home?

20

5. If it takes you 45 minutes to walk home from school and you leave at 3:00, what time will it be when you get home?

Draw the time on the clock.

6. Your mum puts bedtime in the room at 7:00. When you take them out, the clock looks like this:

How many minutes did it take to take the watch out?

20

7. It takes you 45 minutes to go to the city from home and leave at 8:00, at what time will he be when he arrives at the city?

Draw the time on the clock.

Color the polygons (6 sides)

Color the polygons (6 sides)

Draw a shape with 3 sides **Draw a shape with 4 sides**

Draw a shape with 5 sides **Draw a shape with 6 sides**

Complete:

- The triangle has 3 sides, 3 angles and 3 vertices.
- The octagon has 8 sides, 8 angles and 8 vertices.
- The pentagon has 5 sides, 5 angles and 5 vertices.
- The hexagon has 6 sides, 6 angles and 6 vertices.
- The heptagon has 7 sides and the triangle has 3 sides.
- The octagon has 8 angles and the heptagon has 7 angles.
- The triangle has 3 angles and the quadrilateral has 4 angles.

Write down the name of each polygon

Triangle Quadrilateral Pentagon Hexagon Heptagon Octagon

Sheet 4

Choose the correct answer:

- 1. The number 100 is 10 times as much as 10. (100 ÷ 10 = 10)
- 2. The number 100 is 10 times as much as 10. (100 ÷ 10 = 10)
- 3. The number 100 is 10 times as much as 10. (100 ÷ 10 = 10)
- 4. The number 100 is 10 times as much as 10. (100 ÷ 10 = 10)

Complete the following:

- The polygon with 10 sides is called a **decagon**.
- 100 minutes = 2 hours + 20 minutes.
- 200 cm = 2 m + 0 cm.
- The number of days in a week is 7.
- 10, 45, 80, 100, 120, 140, 160, 180, 200.

Answer the following:

- 1. 100 ÷ 10 = 10
- 2. 100 ÷ 10 = 10
- 3. 100 ÷ 10 = 10
- 4. 100 ÷ 10 = 10

20 past 10 **10:45** **Quarter to 11**

Each person needs 1.5 litres of water per day for 10 days.

65 ÷ 5 = 13

Quadrilateral name diagram:

Match each quadrilateral to its name:

Kite	Parallelogram	Trapezoid	Rectangle	Rhombus	Square
------	---------------	-----------	-----------	---------	--------

Complete:

- Each two opposite sides are equal.
- Each two opposite angles are equal.
- 3 sides are equal in length.

Complete:

- All sides are equal in **rectangle** and **square**.
- All angles are equal in **rectangle** and **square**.
- Trapezoid** has only one pair of opposite sides are parallel.
- Kite** has two pairs of adjacent sides are equal and one pair of opposite angles are equal.

Write the name of each quadrilateral.

Match each quadrilateral to its name:

Kite	Parallelogram	Trapezoid	Rectangle	Rhombus	Square
------	---------------	-----------	-----------	---------	--------

Match each quadrilateral with its property:

Each two opposite sides are equal and parallel.	Each two opposite angles are equal.
All sides are equal in length.	All angles are equal in size.
Only one pair of opposite sides are parallel.	Only one pair of opposite angles are equal.
Only one pair of opposite sides are parallel.	Only one pair of opposite angles are equal.

Complete:

- The quadrilateral is a polygon that has 4 sides.
- Each two opposite sides are equal and parallel in **rectangle**, **parallelogram**, **rhombus** and **square**.
- All sides are equal in **square** and **rhombus**.
- All angles are equal in **square** and **rectangle**.
- Only one pair of opposite sides are parallel in **trapezoid**.
- In the parallelogram each two opposite sides are equal and parallel.
- In the rectangle all angles are equal (90°).
- In the square all sides are equal and all angles are equal (90°).
- In the trapezoid, only one pair of opposite sides are parallel.
- In the kite two pairs of adjacent sides are equal.

Color the parallelograms.

Sheet 5

Choose the correct answer:

- 1. Each two opposite sides are parallel in **square** or **rectangle** or **rhombus**.
- 2. The quadrilateral has **4** sides.
- 3. 100 ÷ 10 = 10.
- 4. 100 ÷ 10 = 10.

Complete the following:

- All numbers + 10 hundreds = 1000.
- The hexagon has 6 sides.
- All angles are right angles in **square** and **rectangle**.
- Any two adjacent sides = 60 + 30 = 90.
- 200 cm = 2 m + 0 cm.

Answer the following:

- 1. 100 ÷ 10 = 10
- 2. 100 ÷ 10 = 10
- 3. 100 ÷ 10 = 10
- 4. 100 ÷ 10 = 10

Write the name of each quadrilateral.

Each person needs 1.5 litres of water per day for 10 days.

7 × 8 = 56

Lesson : 8 (pages 224 - 234)

- (1) (a) 10 (b) 10 (c) 18
 (d) 35 , $7 \times 5 = 35$ (e) 12 , $2 \times 6 = 12$
 (2) (a) $4 \times 5 = 20$ (b) $6 \times 3 = 18$ (c) $8 \times 4 = 32$
 (3) $12 = 3 \times 4$ or 2×6
 $10 = 2 \times 5$ or 1×10
 (4) (a) $18 = (3 \times 6)$ or (2×9)
 (b) $24 = (3 \times 8)$, (4×6) or (2×12)

HOMEWORK

- (1) (a) 15 (b) 13 (c) 16
 (d) 14 (e) 16 (f) 18
 (g) 28 , $4 \times 7 = 28$ (h) 18 , $3 \times 6 = 18$
 (i) 25 , $5 \times 5 = 25$ (j) 12 , $2 \times 6 = 12$
 (k) 32 , $4 \times 8 = 32$ (l) 9 , $3 \times 3 = 9$
 (m) 16 , $4 \times 4 = 16$
 (2) (a) $3 \times 4 = 12$ (b) $6 \times 2 = 12$
 (c) $4 \times 8 = 32$ (d) $5 \times 3 = 15$
 (e) $5 \times 5 = 25$ (f) $8 \times 2 = 16$
 (g) $10 \times 5 = 15$ (h) $7 \times 5 = 35$
 (i) $8 \times 7 = 56$ (j) $5 \times 7 = 35$
 (k) $9 \times 4 = 36$ (l) $9 \times 6 = 54$
 (m) $9 \times 3 = 27$ (n) $2 \times 2 = 4$
 (3) $15 = 3 \times 5$, $18 = 3 \times 6$ or $18 = 2 \times 9$
 (4) $4 \times 6 = 24$ (5) $3 \times 7 = 21$
 (6) $(3 \times 4) + (2 \times 6) + (3 \times 6) + (5 \times 7) + (5 \times 1)$
 $= 12 + 12 + 18 + 35 + 5 = 82$
 (7) (a) $30 = 5 \times 6$ (b) $24 = 4 \times 6$ (c) $20 = 4 \times 5$
 (d) $12 = 3 \times 4$ (e) $18 = 3 \times 6$

SHEET 6

- First : (a) 9 090 (b) 4 (c) 90
 (d) $10 + 10$ (e) 999 999
 Second : (a) 45 550 (b) 5 (c) 20 , 7
 (d) equal (e) 63 , 72 , 81
 Third (a) (1) > (2) > (3) > (4) =
 (b) 16 , 20 , 24

Lesson : 9 (pages 235 - 244)

- (1) (a) 18 , 20 (b) 28 , 30
 (c) 15 , 18 (d) 11 , 24
 (e) $4 \times 7 = 28$, $4 + 7 + 4 + 7 = 22$
 (f) $5 \times 5 = 25$, $5 + 5 + 5 + 5 = 20$
 (2) (a) $3 + 3 + 3 + 6 = 15$ (b) $6 + 3 + 6 + 3 = 18$
 (3) (a) $3 \times 6 = 18$, $(6 + 3) \times 2 = 18$
 (b) $4 \times 4 = 16$, $4 \times 4 = 16$

HOMEWORK

- (1) (a) 13, 18 (b) 17, 26 (c) 11, 16
 (d) 11, 24 (e) 14 , 16 (f) 19 , 28
 (g) 12, 22 (h) 14, 22
 (i) $4 \times 6 = 24$, $6 + 4 + 6 + 4 = 20$
 (j) $5 \times 5 = 25$, $5 + 5 + 5 + 5 = 20$
 (k) $2 \times 7 = 14$, $2 + 7 + 2 + 7 = 28$
 (l) $4 \times 4 = 16$, $4 + 4 + 4 + 4 = 16$
 (m) $8 \times 5 = 40$, $8 + 5 + 8 + 5 = 26$
 (n) $3 \times 8 = 24$, $3 + 8 + 3 + 8 = 22$
 (2) (a) $6 + 3 + 6 + 3 = 18$ (b) $6 + 3 + 3 + 3 = 15$
 (c) $4 + 4 + 4 + 4 = 16$ (d) $3 + 6 + 2 + 5 = 16$
 (e) $5 + 3 + 5 + 3 = 16$ (f) $3 + 3 + 3 + 3 = 12$
 (g) $6 + 2 + 6 + 2 = 16$ (h) $3 + 3 + 5 + 7 = 18$
 (i) $5 + 5 + 3 + 3 = 16$ (j) $2 + 2 + 5 + 5 = 14$
 (k) $5 + 5 + 5 + 5 = 20$ (l) $5 + 8 + 5 + 2 = 20$
 (3) (a) $3 \times 6 = 18$, $(6 + 3) \times 2 = 18$
 (b) $5 \times 2 = 10$, $(5 + 2) \times 2 = 14$
 (c) $6 \times 2 = 30$, $(6 + 5) \times 2 = 22$
 (d) $3 \times 3 = 9$, $3 \times 4 = 14$
 (e) $4 \times 4 = 16$, $4 \times 4 = 16$
 (4) (a) $7 \times 4 = 28$, $(7 + 4) \times 2 = 22$
 (b) $7 \times 3 = 21$, $(7 + 3) \times 2 = 20$
 (c) $7 \times 7 = 49$, $7 \times 4 = 28$
 (d) $6 \times 5 = 30$, $(6 + 5) \times 2 = 22$
 (e) $4 \times 4 = 16$, $4 \times 4 = 16$

MAHO **Sheet 7**

1. Choose the correct answer.

The value of the digit 7 in the 25 741 is **700**.

The number of ones in the number 10 is **10**.

$1 + 2 + 3 = 6$ **6**.

The number that comes right before 200 000 is **199 999**.

$3 \text{ m} + 12 \text{ cm} = 3012 \text{ cm}$.

2. Complete the following.

70 thousands + 5 thousands + 7 hundreds + 3 tens = **74 215**.

30 minutes = **1800** seconds.

$120 \div 3 = 40$.

In the 11 and 11, all digits are **equal**.

3. Answer the following.

Find the perimeter and the area of the rectangle below.

The area = **7 x 5 = 35** sq cm.

The perimeter = **2 x (7 + 5) = 24** cm.

Write the time shown on the clock.

25 past 7 **18 past 11**

Write the name of each shape.

Trapezium, kite, rectangle, Parallelogram

244

MAHO **Sheet 8** **The Capacity**

The amount of liquid that the container can contain is called **Capacity**.

1. Circle the larger capacity container.

2. Circle the smaller capacity container.

245

MAHO **Sheet 8**

1. What is better for measuring the volume of liquid in capacity? (Millilitre or Litre)

2. Complete the following.

1 litre = **1000** millilitres. 2 litres = **2000** millilitres.

1 litre 500 ml = **1500** ml. 7 litres = **7000** ml.

To measure the capacity of the tin can we use **millilitres**.

The litre is used to measure **Capacity**.

246

MAHO **Sheet 8**

1. Circle the larger capacity container.

2. Circle the smaller capacity container.

247

MAHO **Sheet 8**

1. What is better for measuring the volume of liquid in capacity? (Millilitre or Litre)

2. Complete the following.

1 litre = **1000** millilitres. 2 litres = **2000** millilitres.

1 litre 500 ml = **1500** ml. 7 litres = **7000** ml.

To measure the capacity of the tin can we use **millilitres**.

The litre is used to measure **Capacity**.

248

MAHO **Sheet 8**

1. What is better for measuring the volume of liquid in capacity? (Millilitre or Litre)

2. Complete the following.

1 litre = **1000** millilitres. 2 litres = **2000** millilitres.

1 litre 500 ml = **1500** ml. 7 litres = **7000** ml.

To measure the capacity of the tin can we use **millilitres**.

The litre is used to measure **Capacity**.

249

General Exercises

First Choose the correct answer

- | | | |
|-------------------|-------------------|-------------------|
| (1) '00 070 | (2) 7 425 | (3) 70 009 |
| (4) 1 999 | (5) 20 750 | (6) 6 000 |
| (7) 800 | (8) 3 000 | (9) 98 765 |
| (10) 10 2345 | (11) 99 999 | (12) 1 111 |
| (13) 3 000 | (14) 800 000 | (15) Thousands |
| (16) 10 | (17) 8×3 | (18) 6×4 |
| (19) $8 + 8$ | (20) 9×2 | (21) 6×2 |
| (22) 8×2 | (23) $>$ | (24) $<$ |
| (25) $=$ | (26) $<$ | (27) 10 |

- | | | |
|--------------------|-------------|-------------------|
| (28) 10 | (29) 8 | (30) 30 |
| (31) 28 | (32) 4 | (33) 7 |
| (34) 7 | (35) 6 | (36) 8 |
| (37) 6 | (38) 8 | (39) 9×2 |
| (40) 3×10 | (41) 105 | (42) $1 \leq 500$ |
| (43) 4 | (44) 505 | (45) 70 |
| (46) 90 | (47) Square | (48) 4 |
| (49) 200 ml | (50) litre | |

Second Complete the following

- (1) 205 6011 (2) Seven hundred thousand, six hundred and eight
- (3) 775 853 (4) 998 756 (5) 7 4
- (6) $70\ 000 + 7\ 000 + 800 + 50 + 6$

- (7) 5, 552, 9, 1 (8) 363000
 (9) 70 249 (10) 100 000
 (11) 699 999 (12) 31 561 (13) 105 199
 (14) T-thousands (15) H-thousands
 (16) 70 000 (17) 20 (18) 999 999
 (19) 100 000 (20) 99 999 (21) 10 000
 (22) 76 320, 20 367 (23) 88 854, 44 458
 (24) $4 \times 8 = 32$ (25) $5 \times 7 = 35$
 (26) $8+8+8+8+8+8 = 8 \times 6 = 48$ (27) $8+8 = 16$
 (28) 7, 35 (29) 8, 16 (30) 10, 40
 (31) 9, 36 (32) 520 (33) 160
 (34) 10 (35) 4 (36) 7
 (37) 10 (38) 10 (39) 10
 (40) 32 (41) 35
 (42) $8 \times 5 \times 10 = 40 \times 10 = 400$
 (43) $5 \times 90, 45 \times 10 = 450$
 (44) $5 \times 70 = 5 \times 7 \times 10 = 35 \times 10 = 350$
 (45) $7 \times 70 = 7 \times 7 \times 10 = 490$
 (46) $60 + 30 = 90$ (47) $60 + 25 = 85$
 (48) $120 + 55 = 175$ (49) 1, 35
 (50) 2, 10 (51) 50 (52) 100
 (53) 700 (54) 1200 (55) $120 + 8 = 128$
 (56) $2000 + 12 = 2012$ (57) 16, 2
 (58) 2, 25 (59) 4 (60) length
 (61) square, rhombus (62) equal(right)
 (63) parallelogram, rhombus, square, rectangle
 (64) 5, 5, 5 (65) Pentagon, hexagon
 (66) Millilitre (67) Capacity (68) 2000
 (69) 7 (70) liter

Prac

(14) The pentagon has sides, angles and vertices.
 (15) The hexagon has 6 sides and 6 vertices.
 (16) To measure the capacity of the sea can we use litres.
 (17) The litre is used to measure.
 (18) 5 litres = 5000 ml
 (19) 1000 ml = 1 litre
 (20) The volume of sea in the sea is measured by litres.

265

Prac

(1) Arrange each group of the following numbers in ascending order and in descending order.
 (a) 32 023, 20 023, 75 023, 54 007, 90 568
 The ascending order: 20 023, 32 023, 54 007, 75 023, 90 568
 The descending order: 90 568, 75 023, 54 007, 32 023, 20 023
 (b) 500 368, 4500 638, 500 033, 500 308, 600 683
 The ascending order: 500 033, 500 308, 500 368, 600 683, 4500 638
 The descending order: 4500 638, 600 683, 500 368, 500 308, 500 033
 (c) 8 000, 1 000, 10 000, 1008, 10 008
 The ascending order: 1 000, 1008, 8 000, 10 000, 10 008
 The descending order: 10 008, 10 000, 8 000, 1008, 1 000
 (2) Use the 1200 star, to find:
 (a) List the common multiples of 2 and 3 up to 30:
 6, 12, 18, 24, 30
 (b) List the common multiples of 3 and 4 up to 40:
 12, 24, 36
 (c) List the common multiples of 3 and 5 up to 60:
 15, 30, 45

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Prac

(1) Complete the following table.

The Number	The value of the one added to it	The thousandth of the one added to it
456 500	400 000	4 - thousands
456 512	60 000	6 - thousands
500 200	0	Thousands
500 200	70	Tens
51 700	0	ones

(2) Complete using +, = or > ;
 (a) 246 170 < 100 705
 (b) 780 200 < 780 030
 (c) 441 020 < 441 070
 (d) 50 000 < 50 200
 (e) 5 tons + 7 thousands + 4 hundreds > 7 tons
 (f) Twenty thousand and twenty > 2 020
 (g) 500 000 + 60 000 + 500 + 5 < 500 005
 (h) 3000 + 30 < 300 330

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Prac

(1) Complete the following

(a) Clocks showing times:
 10:10, 10:15, 10:20, 10:25, 10:30, 10:35, 10:40, 10:45, 10:50, 10:55, 11:00, 11:05, 11:10, 11:15, 11:20, 11:25, 11:30, 11:35, 11:40, 11:45, 11:50, 11:55, 12:00, 12:05, 12:10, 12:15, 12:20, 12:25, 12:30, 12:35, 12:40, 12:45, 12:50, 12:55, 1:00, 1:05, 1:10, 1:15, 1:20, 1:25, 1:30, 1:35, 1:40, 1:45, 1:50, 1:55, 2:00, 2:05, 2:10, 2:15, 2:20, 2:25, 2:30, 2:35, 2:40, 2:45, 2:50, 2:55, 3:00, 3:05, 3:10, 3:15, 3:20, 3:25, 3:30, 3:35, 3:40, 3:45, 3:50, 3:55, 4:00, 4:05, 4:10, 4:15, 4:20, 4:25, 4:30, 4:35, 4:40, 4:45, 4:50, 4:55, 5:00, 5:05, 5:10, 5:15, 5:20, 5:25, 5:30, 5:35, 5:40, 5:45, 5:50, 5:55, 6:00, 6:05, 6:10, 6:15, 6:20, 6:25, 6:30, 6:35, 6:40, 6:45, 6:50, 6:55, 7:00, 7:05, 7:10, 7:15, 7:20, 7:25, 7:30, 7:35, 7:40, 7:45, 7:50, 7:55, 8:00, 8:05, 8:10, 8:15, 8:20, 8:25, 8:30, 8:35, 8:40, 8:45, 8:50, 8:55, 9:00, 9:05, 9:10, 9:15, 9:20, 9:25, 9:30, 9:35, 9:40, 9:45, 9:50, 9:55, 10:00, 10:05, 10:10, 10:15, 10:20, 10:25, 10:30, 10:35, 10:40, 10:45, 10:50, 10:55, 11:00, 11:05, 11:10, 11:15, 11:20, 11:25, 11:30, 11:35, 11:40, 11:45, 11:50, 11:55, 12:00, 12:05, 12:10, 12:15, 12:20, 12:25, 12:30, 12:35, 12:40, 12:45, 12:50, 12:55, 1:00, 1:05, 1:10, 1:15, 1:20, 1:25, 1:30, 1:35, 1:40, 1:45, 1:50, 1:55, 2:00, 2:05, 2:10, 2:15, 2:20, 2:25, 2:30, 2:35, 2:40, 2:45, 2:50, 2:55, 3:00, 3:05, 3:10, 3:15, 3:20, 3:25, 3:30, 3:35, 3:40, 3:45, 3:50, 3:55, 4:00, 4:05, 4:10, 4:15, 4:20, 4:25, 4:30, 4:35, 4:40, 4:45, 4:50, 4:55, 5:00, 5:05, 5:10, 5:15, 5:20, 5:25, 5:30, 5:35, 5:40, 5:45, 5:50, 5:55, 6:00, 6:05, 6:10, 6:15, 6:20, 6:25, 6:30, 6:35, 6:40, 6:45, 6:50, 6:55, 7:00, 7:05, 7:10, 7:15, 7:20, 7:25, 7:30, 7:35, 7:40, 7:45, 7:50, 7:55, 8:00, 8:05, 8:10, 8:15, 8:20, 8:25, 8:30, 8:35, 8:40, 8:45, 8:50, 8:55, 9:00, 9:05, 9:10, 9:15, 9:20, 9:25, 9:30, 9:35, 9:40, 9:45, 9:50, 9:55, 10:00, 10:05, 10:10, 10:15, 10:20, 10:25, 10:30, 10:35, 10:40, 10:45, 10:50, 10:55, 11:00, 11:05, 11:10, 11:15, 11:20, 11:25, 11:30, 11:35, 11:40, 11:45, 11:50, 11:55, 12:00, 12:05, 12:10, 12:15, 12:20, 12:25, 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8:25, 8:30, 8:35, 8:40, 8:45, 8:50, 8:55, 9:00, 9:05, 9:10, 9:15, 9:20, 9:25, 9:30, 9:35, 9:40, 9:45, 9:50, 9:55, 10:00, 10:05, 10:10, 10:15, 10:20, 10:25, 10:30, 10:35, 10:40, 10:45, 10:50, 10:55, 11:00, 11:05, 11:10, 11:15, 11:20, 11:25, 11:30, 11:35, 11:40, 11:45, 11:50, 11:55, 12:00, 12:05, 12:10, 12:15, 12:20, 12:25, 12:30, 12:35, 12:40, 12:45, 12:50, 12:55, 1:00, 1:05, 1:10, 1:15, 1:20, 1:25, 1:30, 1:35, 1:40, 1:45, 1:50, 1:55, 2:00, 2:05, 2:10, 2:15, 2:20, 2:25, 2:30, 2:35, 2:40, 2:45, 2:50, 2:55, 3:00, 3:05, 3:10, 3:15, 3:20, 3:25, 3:30, 3:35, 3:40, 3:45, 3:50, 3:55, 4:00, 4:05, 4:10, 4:15, 4:20, 4:25, 4:30, 4:35, 4:40, 4:45, 4:50, 4:55, 5:00, 5:05, 5:10, 5:15, 5:20, 5:25, 5:30, 5:35, 5:40, 5:45, 5:50, 5:55, 6:00, 6:05, 6:10, 6:15, 6:20, 6:25, 6:30, 6:35, 6:40, 6:45, 6:50, 6:55, 7:00, 7:05, 7:10, 7:15, 7:20, 7:25, 7:30, 7:35, 7:40, 7:45, 7:50, 7:55, 8:00, 8:05, 8:10, 8:15, 8:20, 8:25, 8:30, 8:35, 8:40, 8:45, 8:50, 8:55, 9:00, 9:05, 9:10, 9:15, 9:20, 9:25, 9:30, 9:35, 9:40, 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10:55, 11

Model 1

1. The area = 5×2
 = 10 square cm
 The perimeter = $(5 + 2) \times 2$
 = 14 cm

2. The area = 3×2
 = 6 square cm
 The perimeter = $(3 + 2) \times 2$
 = 10 cm

3. The area = 7×4
 = 28 square cm
 The perimeter = $(7 + 4) \times 2$
 = 22 cm

4. The area = 7×3
 = 21 square cm
 The perimeter = $(7 + 3) \times 2$
 = 20 cm

5. The area = 7×7
 = 49 square cm
 The perimeter = $(7 + 7) \times 2$
 = 28 cm

Model 2

12. Use your ruler to measure each of the side lengths of the rectangles. How many centimetres?

a. The perimeter = $6 + 3 + 6 + 3 = 18$ cm

b. The perimeter = $4 + 4 + 4 + 4 = 16$ cm

13. What is better for measuring the volume of liquid in (capacity)? (Millilitre or Litre)

14. Choose the correct answer.

15. The smallest 6-digit number is 100000 .

16. The number of cubes of the octagon is 200.

17. The number of cubes of the octagon is 200.

18. The number of cubes of the octagon is 200.

19. The number of cubes of the octagon is 200.

20. The number of cubes of the octagon is 200.

Model 3

1. Choose the correct answer.

2. The number of the line has can be 100.

3. The number of the line has can be 100.

4. The number of the line has can be 100.

5. The number of the line has can be 100.

6. The number of the line has can be 100.

7. The number of the line has can be 100.

8. The number of the line has can be 100.

9. The number of the line has can be 100.

10. The number of the line has can be 100.

Model 4

1. Choose the correct answer.

2. The number of the line has can be 100.

3. The number of the line has can be 100.

4. The number of the line has can be 100.

5. The number of the line has can be 100.

6. The number of the line has can be 100.

7. The number of the line has can be 100.

8. The number of the line has can be 100.

9. The number of the line has can be 100.

10. The number of the line has can be 100.

Model 5

1. Choose the correct answer.

2. The number of the line has can be 100.

3. The number of the line has can be 100.

4. The number of the line has can be 100.

5. The number of the line has can be 100.

6. The number of the line has can be 100.

7. The number of the line has can be 100.

8. The number of the line has can be 100.

9. The number of the line has can be 100.

10. The number of the line has can be 100.

Model 6

1. Choose the correct answer.

2. The number of the line has can be 100.

3. The number of the line has can be 100.

4. The number of the line has can be 100.

5. The number of the line has can be 100.

6. The number of the line has can be 100.

7. The number of the line has can be 100.

8. The number of the line has can be 100.

9. The number of the line has can be 100.

10. The number of the line has can be 100.

Model 7

1. Choose the correct answer.

2. The number of the line has can be 100.

3. The number of the line has can be 100.

4. The number of the line has can be 100.

5. The number of the line has can be 100.

6. The number of the line has can be 100.

7. The number of the line has can be 100.

8. The number of the line has can be 100.

9. The number of the line has can be 100.

10. The number of the line has can be 100.

Model 8

1. Choose the correct answer.

2. The number of the line has can be 100.

3. The number of the line has can be 100.

4. The number of the line has can be 100.

5. The number of the line has can be 100.

6. The number of the line has can be 100.

7. The number of the line has can be 100.

8. The number of the line has can be 100.

9. The number of the line has can be 100.

10. The number of the line has can be 100.

Model 9

1. Choose the correct answer.

2. The number of the line has can be 100.

3. The number of the line has can be 100.

4. The number of the line has can be 100.

5. The number of the line has can be 100.

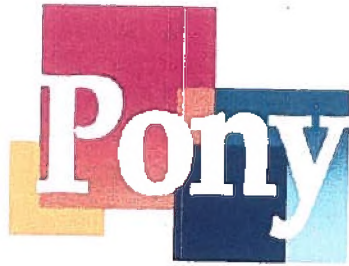
6. The number of the line has can be 100.

7. The number of the line has can be 100.

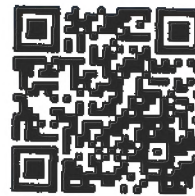
8. The number of the line has can be 100.

9. The number of the line has can be 100.

10. The number of the line has can be 100.



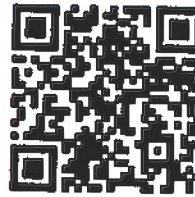
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